

General Disclaimer

One or more of the Following Statements may affect this Document

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.
- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.
- This document is paginated as submitted by the original source.
- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

E81-10114

CR-160966

AgRISTARS

SM-L0-00441
JSC-16357

NOV 05 1980

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

A Joint Program for
Agriculture and
Resources Inventory
Surveys Through
Aerospace
Remote Sensing

Soil Moisture

NASA CR-160966

October 1980

EVALUATION OF GRAVIMETRIC GROUND TRUTH SOIL MOISTURE DATA COLLECTED FOR THE AGRICULTURAL SOIL MOISTURE EXPERIMENT, 1978 COLBY, KANSAS, AIRCRAFT MISSION

L. M. Arya and D. E. Phinney

(E81-10114) EVALUATION OF GRAVIMETRIC
GROUND TRUTH SOIL MOISTURE DATA COLLECTED
FOR THE AGRICULTURAL SOIL MOISTURE
EXPERIMENT, 1978 COLBY, KANSAS, AIRCRAFT
MISSION (Lockheed Engineering and

N81-29494

HC A14/MF A01

Unclass

G3/43 00114

Lockheed Engineering and Management Services Company, Inc.
Houston, Texas 77058



NASA



Lyndon B. Johnson Space Center
Houston, Texas 77058

Dis
Rec x

1. Report No. JSC-16357; SM-LO-00441		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Evaluation of Gravimetric Ground Truth Soil Moisture Data Collected for the Agricultural Soil Moisture Experiment, 1978 Colby, Kansas, Aircraft Mission				5. Report Date October 1980	
				6. Performing Organization Code	
7. Author(s) L. M. Arya and D. E. Phinney				8. Performing Organization Report No. LEMSCO-14600	
9. Performing Organization Name and Address Lockheed Engineering and Management Services Company, Inc. 1830 NASA Road 1 Houston, Texas 77058				10. Work Unit No.	
				11. Contract or Grant No. NAS 9-15800	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Lyndon B. Johnson Space Center Houston, Texas 77058 Technical Monitor: J. D. Erickson				13. Type of Report and Period Covered Technical Report	
				14. Sponsoring Agency Code	
15. Supplementary Notes					
16. Abstract <p>The 1978 Colby Soil Moisture Experiment was designed to support the development of algorithms for estimating surface soil moisture from remotely sensed backscattering of microwaves from ground surfaces. The data acquired consisted of radar backscattering coefficient, gravimetric soil moisture, bulk density, soil temperature, vegetation moisture density, and surface roughness. This report presents the soil moisture data and discusses the aspects of field uniformity and variability of gravimetric soil moisture measurements. Moisture distribution patterns are illustrated by frequency distributions and contour plots. Standard deviations and coefficients of variation relative to degree of wetness and agronomic features of the fields are examined. Influence of sampling depth on observed moisture content and variability are indicated. For the various sets of measurements, soil moisture values that appear as outliers are flagged. Also included in this report are: distribution and legal descriptions of the test fields, soil types, agronomic features, and sampling plan. Bulk density data for experimental fields are appended, should analyses involving volumetric moisture content be of interest to the users of data in this report.</p>					
17. Key Words (Suggested by Author(s)) bulk density soil moisture soil moisture variability				18. Distribution Statement	
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 306	
				22. Price*	

*For sale by the National Technical Information Service, Springfield, Virginia 22161

EVALUATION OF GRAVIMETRIC GROUND TRUTH SOIL MOISTURE DATA COLLECTED
FOR THE AGRICULTURAL SOIL MOISTURE EXPERIMENT,
1978 COLBY, KANSAS, AIRCRAFT MISSION

Job Order 73-322


This report describes the activities of the
Soil Moisture project of the AgRISTARS program.

PREPARED BY

L. M. Arya and D. E. Phinney

APPROVED BY


D. E. Phinney, Supervisor
Agricultural Technology


J. E. Wainwright, Manager
Development and Evaluation Department

LOCKHEED ENGINEERING AND MANAGEMENT SERVICES COMPANY, INC.

Under Contract NAS 9-15800

For

Earth Observations Division

Space and Life Sciences Directorate

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER
HOUSTON, TEXAS

October 1980

LEMSCO-14600

CONTENTS

Section	Page
1. INTRODUCTION.....	1-1
2. EXPERIMENTAL FIELDS, SOIL TYPES, AND AGRONOMIC FEATURES.....	2-1
3. SAMPLING PLAN.....	3-1
3.1 <u>SOIL MOISTURE DATA</u>	3-1
3.2 <u>BULK DENSITY DATA</u>	3-1
4. DATA SCREENING.....	4-1
4.1 <u>FREQUENCY DISTRIBUTION OF SOIL MOISTURE DATA</u>	4-1
4.2 <u>SPATIAL DISTRIBUTION OF MOISTURE CONTENT</u>	4-2
4.3 <u>STATISTICS OF SOIL MOISTURE VARIABILITY</u>	4-22
4.4 <u>EFFECTS OF WETNESS ON VARIABILITY</u>	4-25
4.5 <u>EFFECTS OF CULTURAL PRACTICES ON VARIABILITY</u>	4-25
4.6 <u>EFFECTS OF DEPTH OF SAMPLING ON VARIABILITY</u>	4-32
4.7 <u>EXTRANEOUS VALUES AND VARIABILITY</u>	4-32
5. CONCLUSIONS.....	5-1
Appendix	
A. GRAVIMETRIC SOIL MOISTURE OBSERVATIONS.....	A-1
B. BULK DENSITY DATA, 1978 COLBY SOIL MOISTURE EXPERIMENT.....	B-1

PRECEDING PAGE BLANK NOT FILMED

FIGURES

Figure		Page
1	Locations of the 43 test fields used for ground truth data acquisition.....	2-3
2	Sample locations and depth intervals sampled at the various locations.....	3-2
3	Examples of frequency distribution of soil moisture data.....	4-3
4	Examples of the spatial distribution of soil moisture in fallow, wheat stubble, irrigated corn, and milo fields.....	4-14
5	Standard deviations of gravimetric water content measurements in fallow fields.....	4-23
6	Standard deviations of gravimetric water content measurements in irrigated corn fields.....	4-24
7	Variation in water content of surface soil (small depth increments) in fallow fields, Colby, Kansas.....	4-26
8	Variation in water content of surface soil (small depth increments) in wheat stubble fields, Colby, Kansas.....	4-27
9	Variation in water content of surface soil (small depth increments) in irrigated corn fields, Colby, Kansas.....	4-28
10	Variation in water content of surface soil (small depth increments) in milo fields, Colby, Kansas.....	4-29
11	Variation in content of surface soil (small depth increments) in pasture fields, Colby, Kansas.....	4-30
12	Approximate limits (drawn subjectively) of surface soil water content variability as a function of water content for five crop groups in Colby, Kansas.....	4-31
13	Variation in water content of surface soil (large depth increments) in fallow fields, Colby, Kansas.....	4-34
14	Variation in water content of surface soil (large depth increments) in wheat stubble fields, Colby, Kansas.....	4-35

Figure		Page
15	Variation in water content of surface soil (large depth increments) in irrigated corn fields, Colby, Kansas.....	4-36
16	Variation in water content of surface soil (large depth increments) in milo fields, Colby, Kansas.....	4-37
17	Variation in water content of surface soil (large depth increments) in pasture fields, Colby, Kansas.....	4-38
18	Effect of sampling depth increment on observed variability in water content in fallow fields, Colby, Kansas.....	4-39
19	Effect of sampling depth increment on observed variability in water content in irrigated corn fields, Colby, Kansas.....	4-40
20	Variability in water content measurements of wheat stubble fields after eliminating data that are flagged "F" or "S" in appendix A.....	4-41

1. INTRODUCTION

The 1978 Colby Soil Moisture Experiment was conducted by Lockheed Electronics Company, Inc. under NASA/JSC Job Order 73-156 and was designed to support the development of algorithms for estimating surface soil moisture from remotely sensed backscattering of microwaves from ground surfaces.¹ The data acquired consisted of radar backscattering coefficient, gravimetric soil moisture, bulk density, soil temperature, vegetation moisture density, and surface roughness. Details of the experiment along with samples of various data are presented in Report No. JSC-16229. Complete data sets are available on magnetic tapes.²

This report presents the soil moisture data and discusses the aspects of field uniformity and variability of gravimetric soil moisture measurements. Moisture distribution patterns are illustrated by frequency distributions and contour plots. Standard deviations and coefficients of variation relative to the degree of soil wetness and agronomic features of the fields are examined. Influence of sampling depth on observed moisture content and variability are indicated. For the various sets of measurements, soil moisture values that appear as outliers are flagged.

Also included in this report are: distribution and legal descriptions of the test fields, soil types, agronomic features, and sampling plan. Bulk density data for experimental fields are appended, should analyses involving volumetric moisture content be of interest to the users of the data.

¹Described in the Project Support Plan OA-0387, JSC-10562.

²To obtain any of the data sets listed in Report No. JSC-16229, contact J. D. Erickson, SF3, Lyndon B. Johnson Space Center, Houston, Texas 77058.

2. EXPERIMENTAL FIELDS, SOIL TYPES, AND AGRONOMIC FEATURES

The experimental site was Colby, Thomas County, Kansas, and consisted of forty-three 40-acre fields. Fields were selected in such a way that their centers approximately coincided with aircraft flight lines in the north-south and east-west directions. Distribution of test fields and flight lines are shown in figure 1. Legal descriptions of the test fields are shown in table 1.

Most of the test fields were in Keith silt loam with slopes ranging from 0 to 3 percent. Richfield silty clay loam, Goshen silty loam, and Ulysses silt loam occurred in a few fields.

Of the 43 fields, 13 were in wheat stubble, 12 in irrigated³ corn, 11 in fallow, 4 in milo, and 3 in pasture. Table 2 shows soil type and crop for each of the 43 test fields.

³Center-pivot system covering an area of about 160 acres. Some gravity-fed systems were also in use.

TABLE 1.— TEST FIELD LEGAL DESCRIPTIONS

Field number	Legal description	Field number	Legal description
1	S Center 40 SE 28-9-33	28	SW SE 29-9-32
2	S Center 40 SE 30-9-32	29	NW NE 32-9-32
3	S Center 40 SW 28-9-32	30	NE NE 32-9-32
4	SE SE 27-9-32	31	NE NW 33-9-32
5	SW SE 26-9-32	34	SE SE 28-9-32
6	SW SE 14-8-32	37	NW NE 34-9-32
7	SW SE 25-9-32	38	NE NE 34-9-32
8	SE SE 31-8-31	39	SW SW 15-8-32
9	SE SE 18-8-31	40	S Center 40 SE 15-8-32
10	SE SE 13-8-32	43	SE SE 14-8-32
11	SE SE 18-8-32	44	SW SE 13-8-32
12	SW SE 35-8-32	45	SW SE 18-8-31
13	SE SE 31-8-32	46	NE SE 18-8-31
14	SW SW 36-8-32	47	SE SE 19-8-31
19	SW SE 26-9-33	49	NE NE 19-9-31
20	SE SE 26-9-33	50	NW NE 23-9-32
21	NW NW 36-9-33	52	SW SE 23-8-32
22	NE NW 36-9-33	53	SE SE 19-9-32
24	SW SW 29-9-32	54	S Center 40 SE 7-9-32
25	NW NW 32-9-32	55	N Center 40 NE 30-9-32
26	SE SW 29-9-32	56	SE 30 SE 30-9-31
27	NE NW 32-9-32		

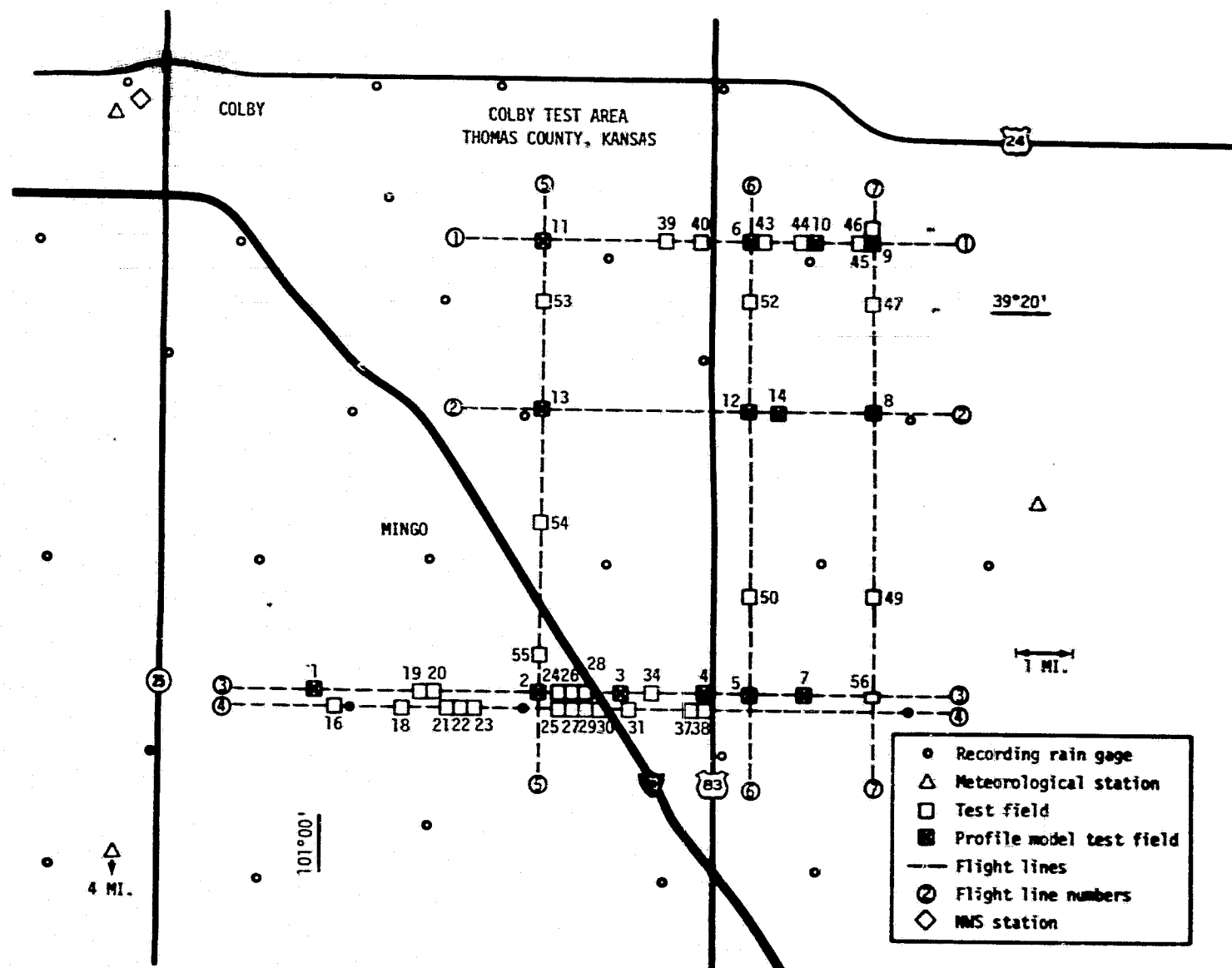


Figure 1.- Locations of the 43 test fields used for ground truth data acquisition.

TABLE 2.— SOIL TYPE^a AND CROP FOR THE TEST FIELDS

Field no.	Soil type ^b	Crop ^c	Field no.	Soil type ^b	Crop ^c
1	B	Corn	28	A	Corn
2	C	Corn	29	B	Wheat
3	B	Corn	30	B	Wheat
4	B	Wheat	31	B	Milo
5	B	Pasture	34	C, E	Milo
6	B	Fallow	37	B, E	Corn
7	B	Wheat	38	B	Wheat
8	A	Pasture	39	A	Milo
9	B	Fallow	40	B	Corn
10	A	Wheat	43	C	Fallow
11	A	Wheat	44	A	Wheat
12	A	Fallow	45	A	Fallow
13	A	Fallow	46	B	Wheat
14	B	Pasture	47	B, F	Wheat
19	A, D	Corn	49	A	Fallow
20	A, D	Corn	50	A	Fallow
21	A, D	Corn	52	B, E	Fallow
22	A	Corn	53	A	Wheat
24	B	Milo	54	A	Fallow
25	A	Wheat	55	C	Corn
26	B	Corn	56	B	Fallow
27	C	Wheat			

^aThese data were taken from an unpublished soils map provided by the USDA Soil Conservation Service in Colby.

^bThe following notations are used in this column:

A — Keith silt loam, 0 percent to 1 percent slope.

B — Keith silt loam, 0 percent to 3 percent slope.

C — Keith silt loam, 1 percent to 3 percent slope.

D — Richfield silty clay loam.

E — Goshen silty loam.

F — Ulysses silt loam, 1 percent to 3 percent slope (eroded).

^cAll corn fields were irrigated.

3. SAMPLING PLAN

For each field, gravimetric soil moisture samples were drawn from 35 locations (fig. 2) which were distributed in a grid pattern over an area 305 meters by 305 meters (1000 feet by 1000 feet). Sampling depths of 0 to 1, 1 to 2, 2 to 5, 5 to 9, 9 to 15, 0 to 15, 15 to 30, and 30 to 45 centimeters were used but were not applied to all locations uniformly. The sampling scheme is shown in figure 2.

Soil moisture data were obtained in conjunction with seven aircraft overflights which occurred on July 18, 20, 21, and 22 and on August 8, 9, and 11, 1978. These dates corresponded with Julian days 199, 201, 202, 203, 220, 221, and 223. It was not possible to sample all fields and all locations and/or depths. Sampling activity by field and day are given in table 3.

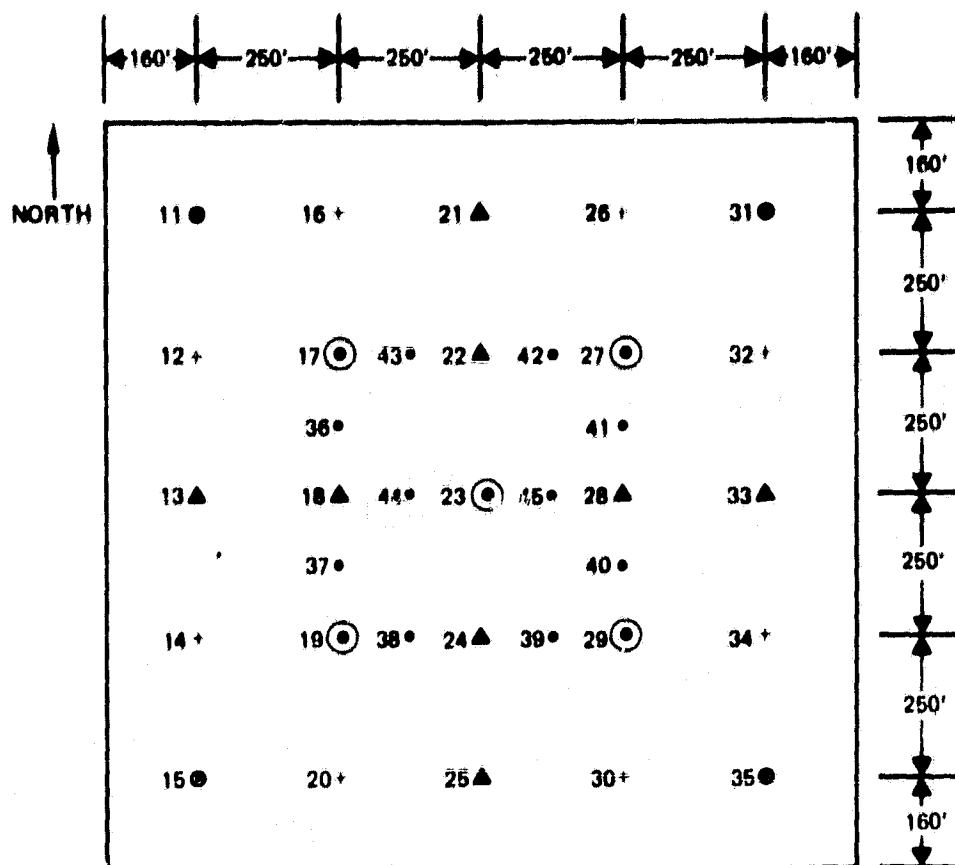
3.1 SOIL MOISTURE DATA

Gravimetric soil moisture data are presented in appendix A. Data are shown for the depth intervals and locations sampled. Zeros indicate no data, and should not be interpreted as 0.0 percent moisture content. Table headings specify the day of sampling, field number, and crop type. Each table also indicates the modality⁴ of frequency distribution of soil moisture values.

3.2 BULK DENSITY DATA

Bulk density measurements for 0 to 2, 2 to 5, 5 to 9, 9 to 15, 15 to 30, and 30 to 45 centimeter depth intervals were made on four locations in each of the test fields. These data are presented in appendix B.

⁴In standard (the punctuation badly changes the meaning) normal variate form, the mean of observations above or below the overall mean should be ± 0.675 for a normal distribution. If both of these means exceeded ± 0.85 , probable multimodality was indicated. If the sample did not test multimodal yet the mean of one group exceeded 1.0, a skewed distribution was indicated.



Symbol	Sample depths, cm	No. of locations	No. of samples per location	Total
•	0-1, 1-2	10	2	20
+	0-1, 1-2, 2-5	8	3	24
▲	0-1, 1-2, 2-5, 5-9, 9-15	8	5	40
⊙	0-1, 1-2, 2-5, 5-9, 9-15, 0-15	4	6	24
⊕	0-1, 1-2, 2-5, 5-9, 9-15, 0-15, 15-30, 30-45	5	8	40
Total samples				148

Figure 2.- Sample locations and depth intervals sampled at the various locations.

TABLE 3.— SOIL MOISTURE SAMPLING ACTIVITY BY FIELD AND DAY^a

Field no.	Julian day							
	199	200	201	202	203	220	221	223
1	—	—	X	X	X	P	—	—
2	X	—	X	X	C	X	X	P
3	X	—	X	X	P	X	X	X
4	X	—	X	X	X	X	X	X
5	C	—	X	X	X	X	X	X
6	X	—	X	X	X	X	X	X
7	X	—	X	X	X	X	X	X
8	C	—	X	X	X	X	X	X
9	X	—	X	X	X	X	X	X
10	X	—	X	X	X	X	X	X
11	X	—	X	X	X	X	X	X
12	X	—	X	X	X	X	X	X
13	X	—	X	X	X	X	X	X
14	X	—	X	X	X	X	X	X
19	X	—	—	C	C	—	—	—
20	X	—	X	P	P	—	—	—
21	X	—	X	P	P	—	—	—
22	X	—	—	—	—	—	—	—
24	X	—	—	—	—	X	X	—
25	X	—	X	X	X	X	—	X
26	X	—	X	P	P	P	—	—
27	X	—	X	X	X	X	X	X
28	—	C	—	—	—	—	P	P
29	—	C	—	P	P	P	X	X
30	—	C	—	—	P	P	X	X
31	—	C	—	—	P	X	—	—
34	C	—	—	—	C	—	X	—
37	—	C	—	C	P	X	X	X
38	—	C	C	C	—	P	X	X
39	P	—	X	—	X	X	X	X
40	X	—	—	—	C	X	P	X
43	—	C	—	—	P	X	X	X
44	X	C	X	X	X	—	P	—
45	—	—	—	—	—	X	X	X
46	X	—	X	X	X	X	X	X
47	X	—	X	—	X	X	X	X
49	X	—	X	X	X	X	X	X
50	X	—	X	X	C	X	X	X
52	X	—	X	X	X	X	X	X
53	X	—	X	X	X	X	X	—
54	X	—	X	X	X	X	X	P
55	X	—	X	X	X	—	—	—
56	—	—	—	—	—	P	P	P

^aThe following notations are used in the table:

- X: Field well sampled (90 to 148 samples).
- P: Partial data set (20 to 90 samples).
- C: Abbreviated data set (usually core samples only; up to 20 samples).
- : No data available.

4. DATA SCREENING

Visual inspection of the various data sets showed values which appeared to be anomalous. It was, therefore, felt desirable to identify such outlying values using an objective criterion. The first set of statistics, marked "First Iteration" in appendix A, were computed for the unscreened data. Moisture values outside two standard deviations from the mean were identified. If found in any data set, such values were flagged by the letter "F." A second set of statistics, marked "Second Iteration" in appendix A, were computed after deleting the values flagged in the first iteration. Means and standard deviations from the second set of statistics were applied to the remaining data, and values outside two standard deviations from the new means were flagged by the letter "S." The final set of statistics were computed after eliminating all values flagged "F" and "S." Data that still appeared anomalous were subjectively flagged by the letter "A."

The data were flagged only to identify values which needed to be examined further. Whether or not any of the flagged values should be eliminated from the data set must depend on the user's own judgement.

4.1 FREQUENCY DISTRIBUTION OF SOIL MOISTURE DATA

Figures 3(a) to 3(j) show typical examples of the frequency distribution of soil moisture values for various crop types, fields, moisture conditions, and depths of sampling in the surface soil. Most distributions appear to deviate from the normal distribution and show varying degrees of skewness. The range of soil moisture values observed varies from field to field and from one crop type to another. For example, irrigated corn fields show soil moisture values from approximately 5 to 40 percent; see figures 3(h) to 3(j). Nonirrigated fields, such as those in wheat stubble, fallow, pasture, and milo, show moisture values within a narrow to wide range depending upon the day of sampling. These varying patterns seem to be a result of wetting-drying history and variability in surface features of cover, roughness of the tilth, and microrelief. Moisture values in a narrow range seem to generally occur under conditions of advanced dryness; e.g., see figures 3(a), 3(c), and

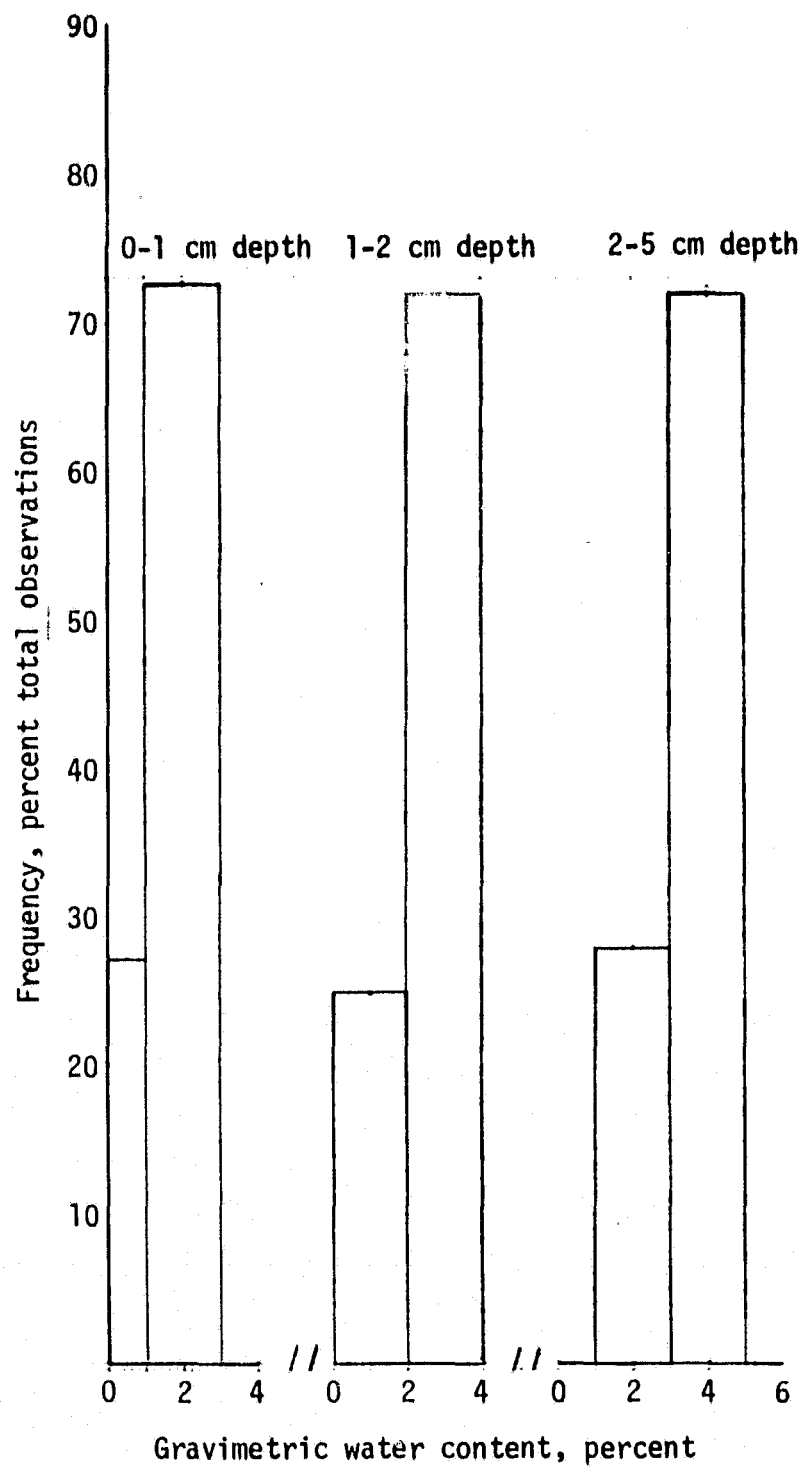
3(f). Variable and wide-ranging values, on the other hand, seem to be associated with initial to intermediate stages of drying following rain or irrigation; e.g., see figures 3(b), 3(d), 3(g), 3(h), 3(i), and 3(j).

An important feature of the data is that, where wide-ranging moisture values occur, they often appear to belong in distinct groups. As a result, moisture distributions exhibit more than one mode. Examples of such distributions are irrigated corn fields; e.g., figures 3(h), 3(i), and 3(j). The center-pivot irrigation system used in the Colby area had a boom making a full rotation every 9 to 11 days. Such a coverage would naturally give rise to a spatial pattern of wetness ranging from very low to very high moisture content. The presence of wind should be expected to have an added effect on the distribution patterns. Under windy conditions, a nonirrigated field adjacent to an irrigated one may receive varying amounts of water and may show anomalous patterns of moisture distribution. An example of such an effect is shown in figure 3(e). Data presented are for a nonirrigated milo field (No. 24) on Julian day 199. There had been no rain, and the surface of this field was expected to be dry with moisture content in a rather narrow range. The data, however, showed a very dry section and a fairly wet section. Upon checking the distribution of test fields, it was found that field No. 24 was in fact situated next to an irrigated corn field (No. 26). There may be other nonirrigated fields similarly situated.

These examples of soil moisture frequency distributions serve to illustrate the variety of wetness patterns that occurred in Colby test fields. The patterns show that while, in some cases moisture values occur in a narrow range, mean moisture content may adequately represent the field moisture content; it may not do so in cases with wide ranging moisture content values. In such cases, a decision may have to be made to stratify the field on the basis of some criteria of homogeneity.

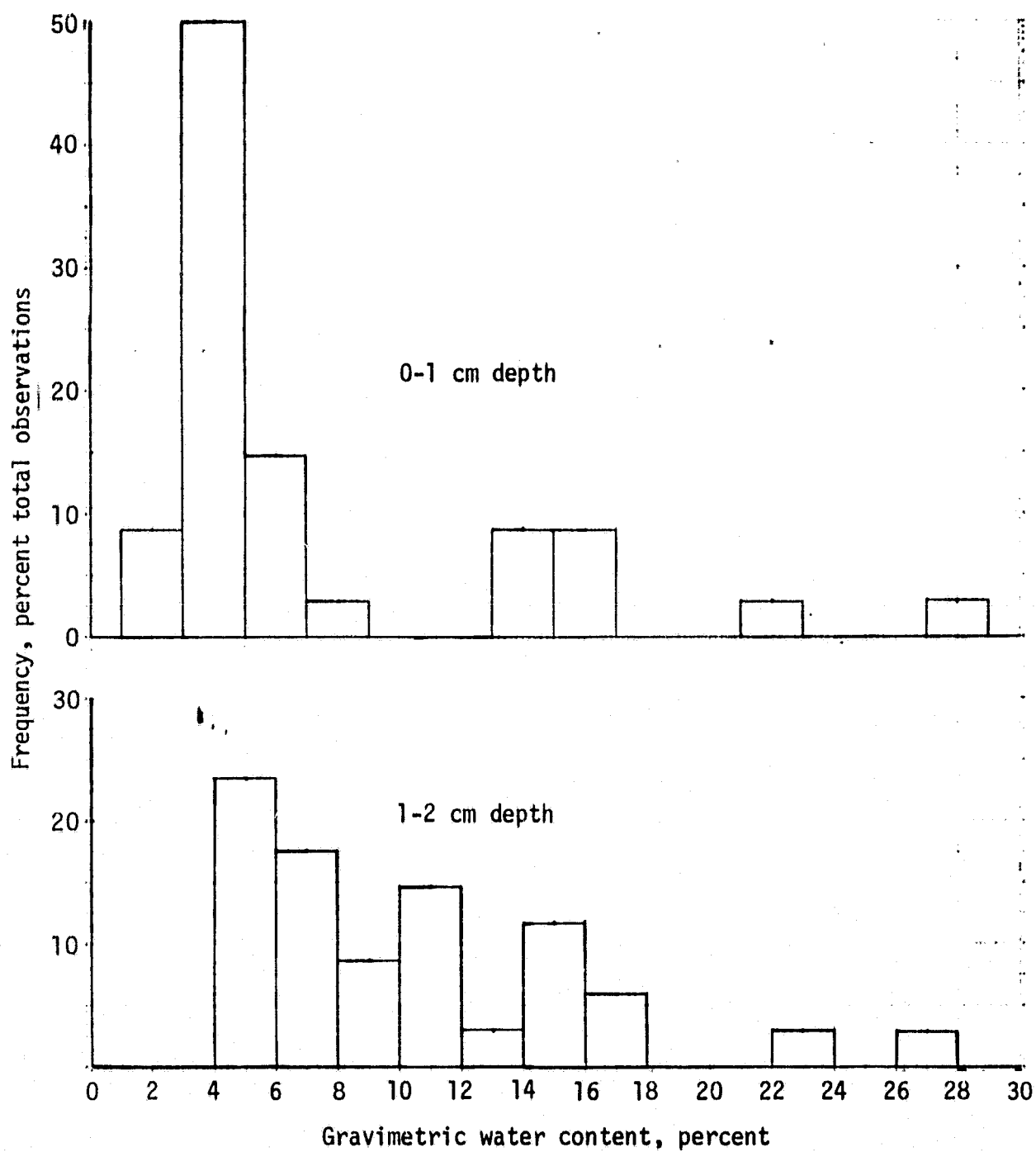
4.2 SPATIAL DISTRIBUTION OF MOISTURE CONTENT

As shown in the frequency distributions of soil moisture values [fig. 3(a) through 3(j)], uniform wetness seldom, if ever, exists under field conditions,



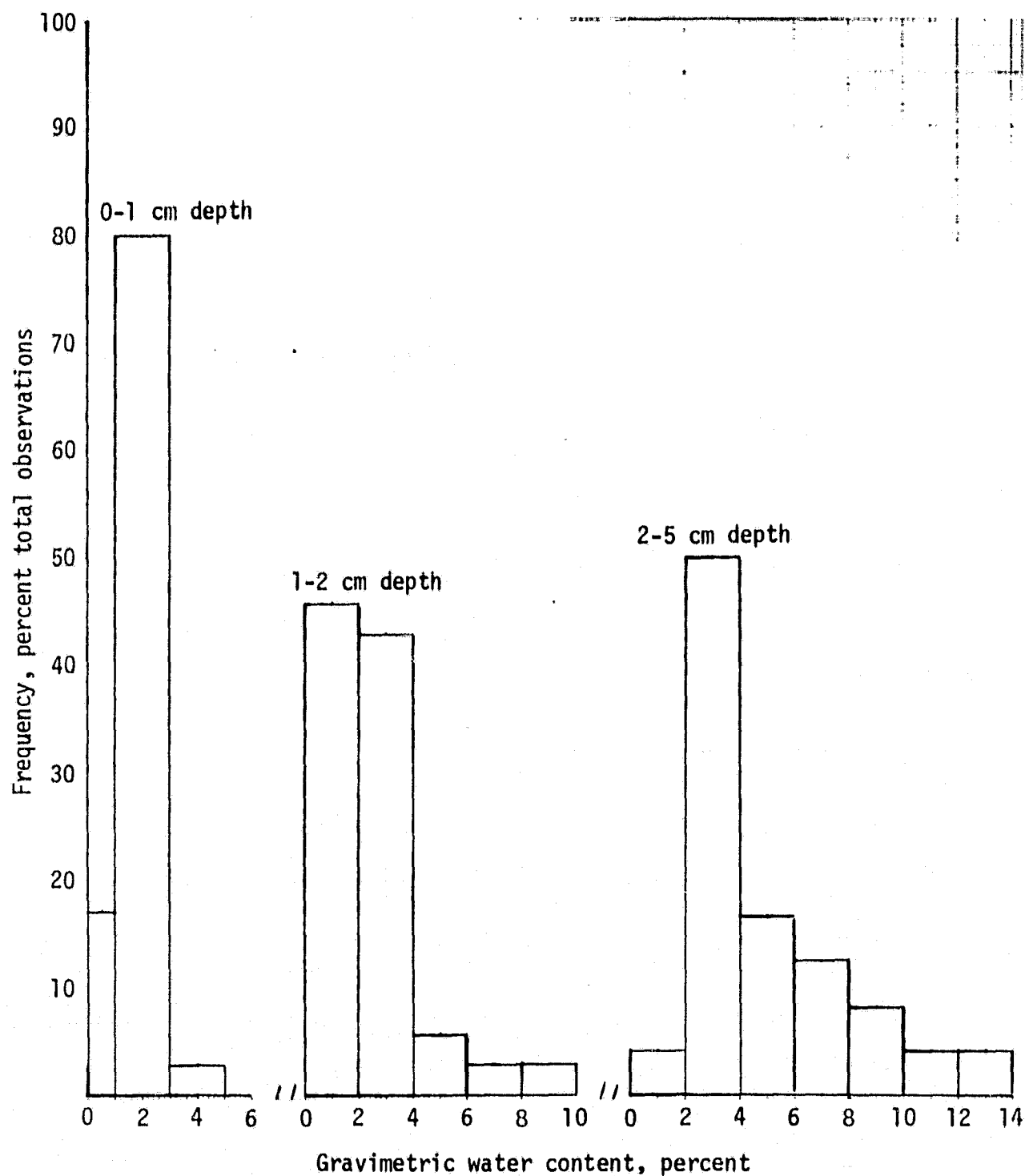
(a) Field 7 (wheat stubble), Julian day 199.

Figure 3.- Examples of frequency distribution of soil moisture data.



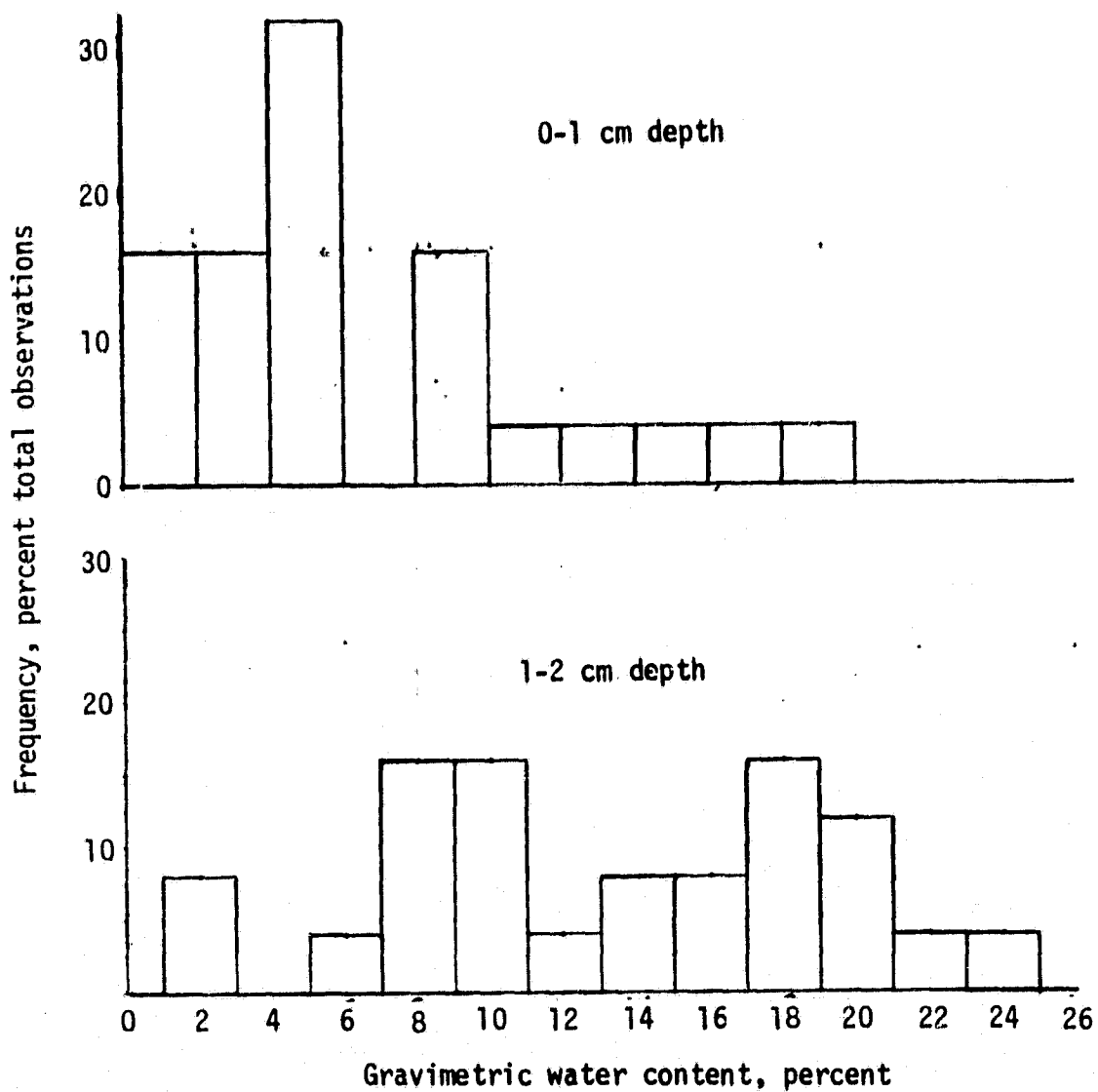
(b) Field 29 (wheat stubble), Julian day 223.

Figure 3.- Continued.



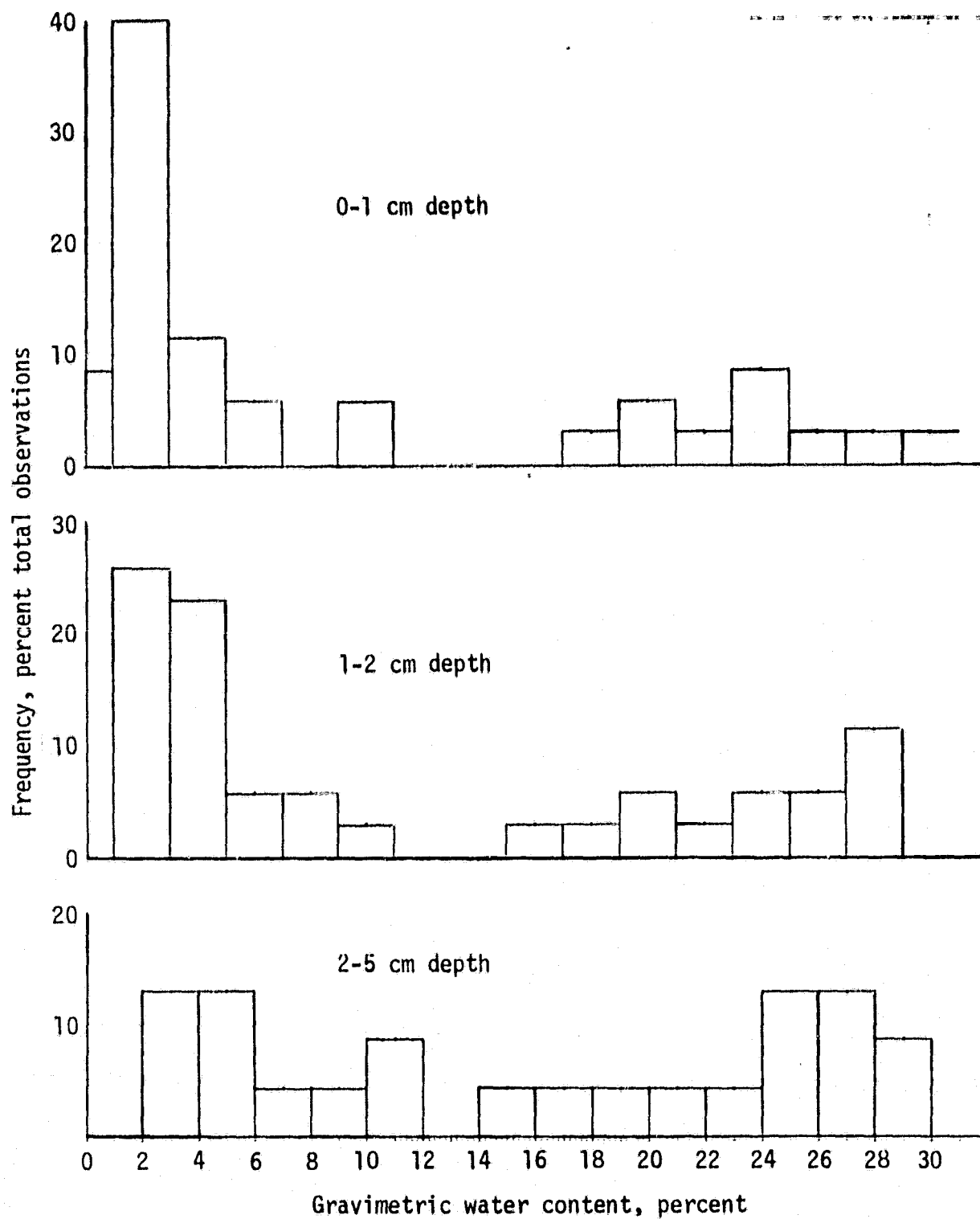
(c) Field 9 (fallow), Julian day 199.

Figure 3.- Continued.



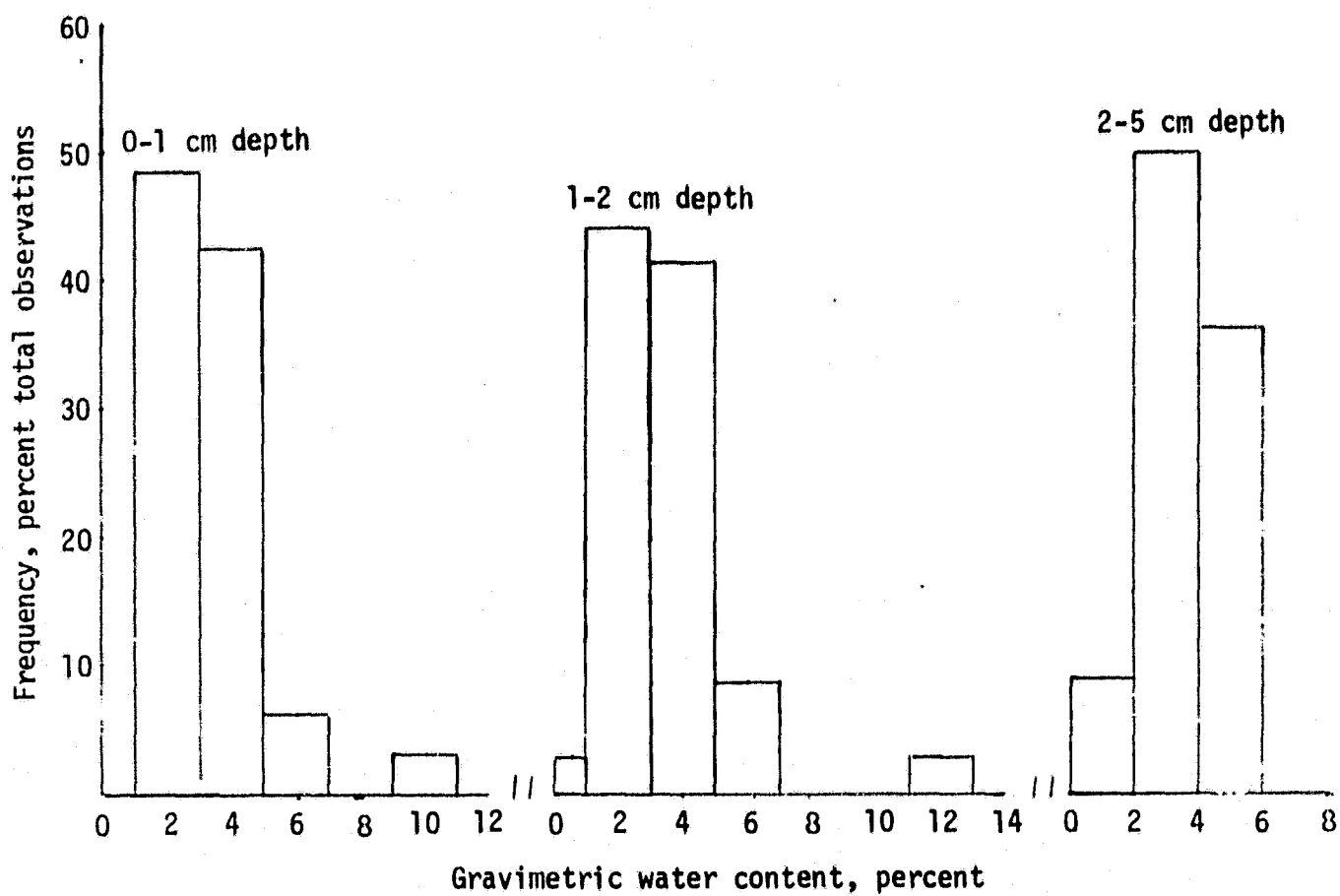
(d) Field 49 (fallow), Julian day 220.

Figure 3.- Continued.



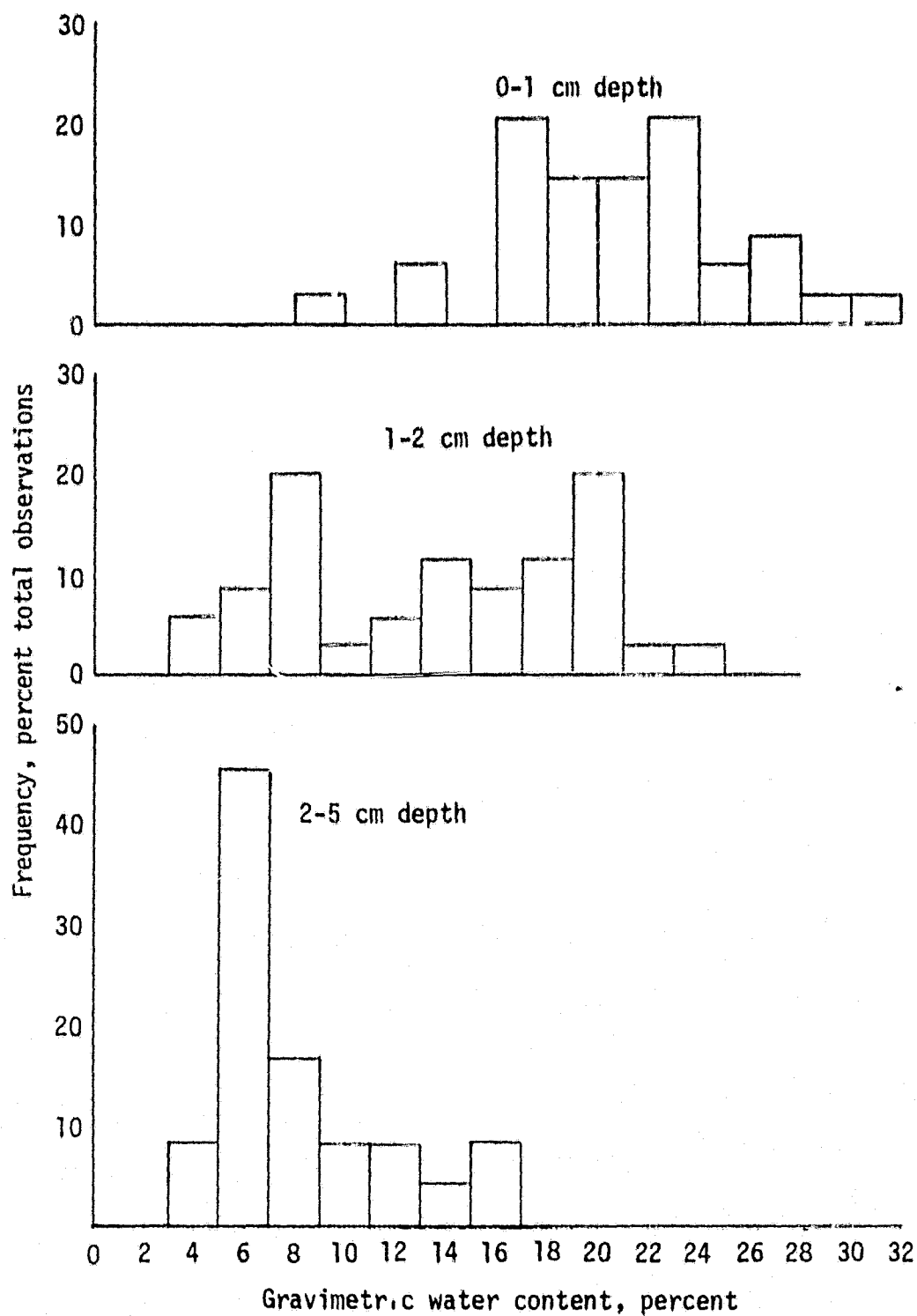
(e) Field 24 (milo), Julian day 199.

Figure 3.- Continued.



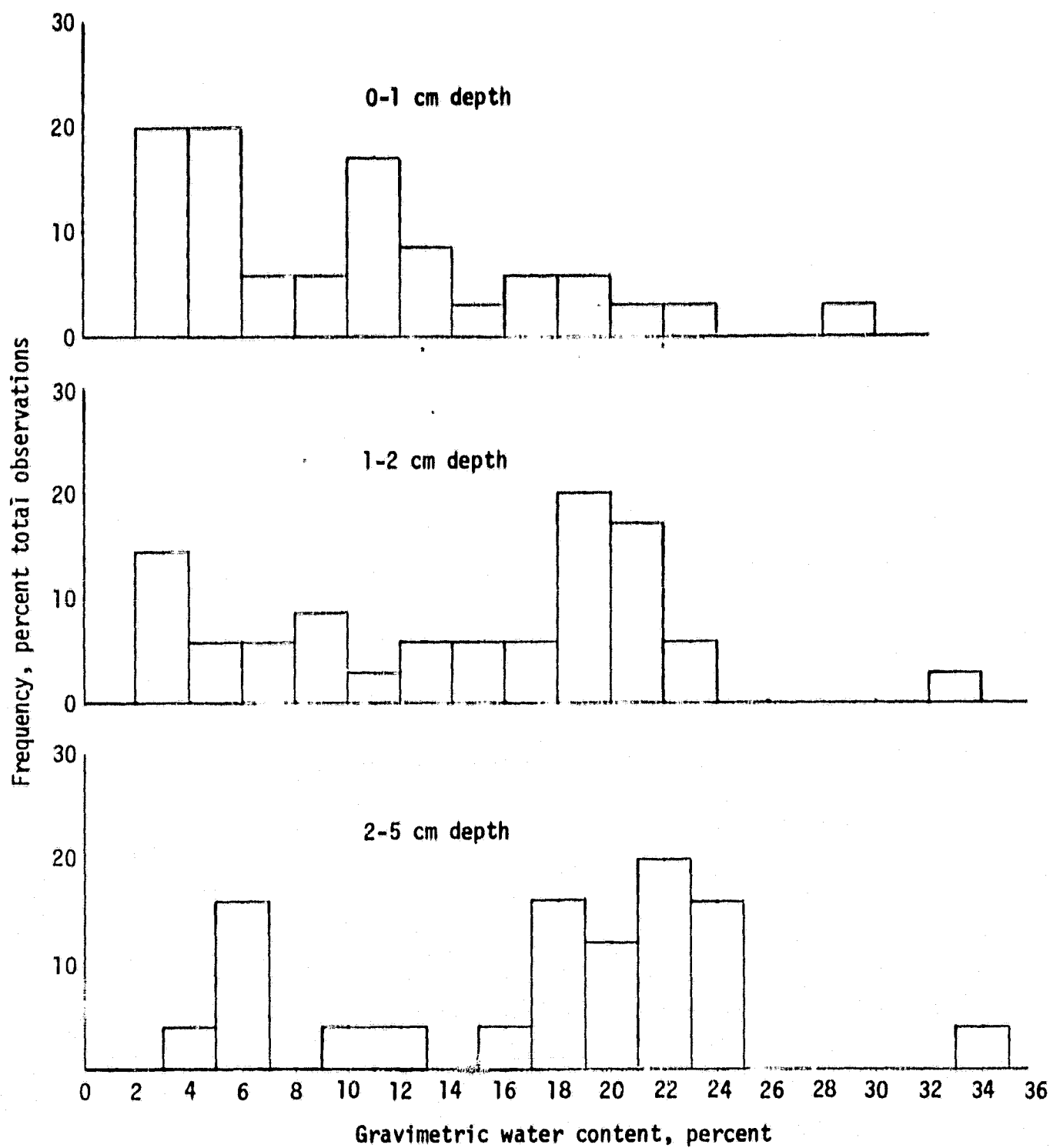
(f) Field 14 (pasture), Julian day 199.

Figure 3.- Continued.



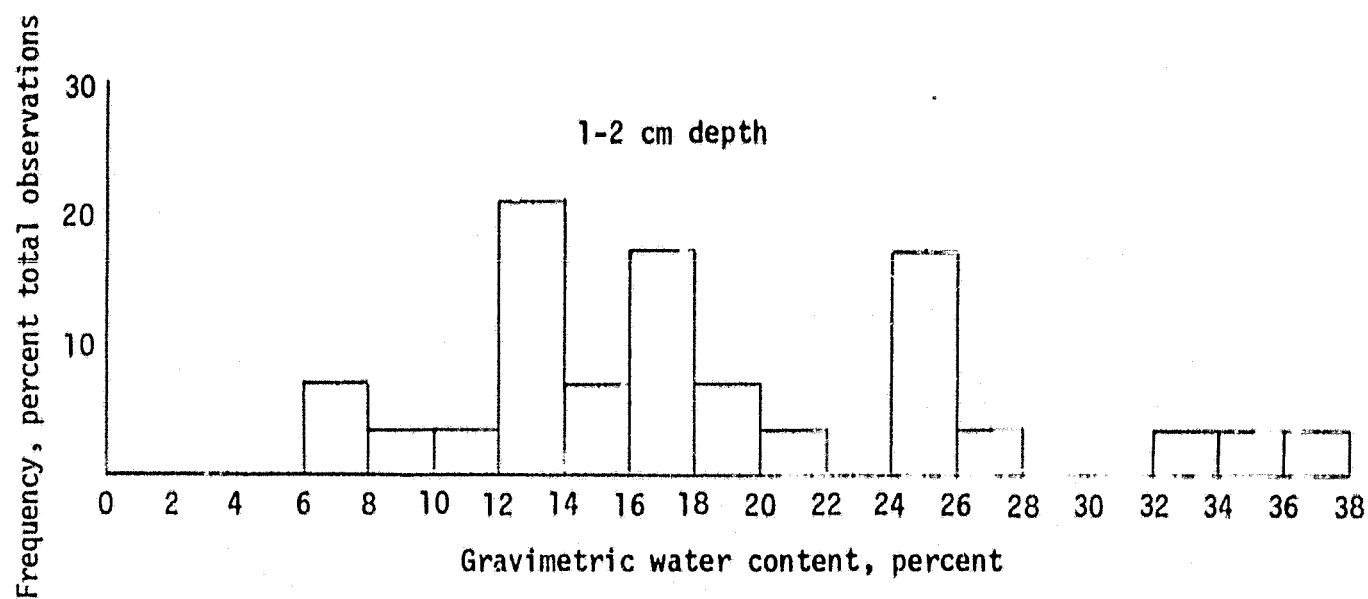
(g) Field 5 (pasture), Julian day 201.

Figure 3.- Continued.



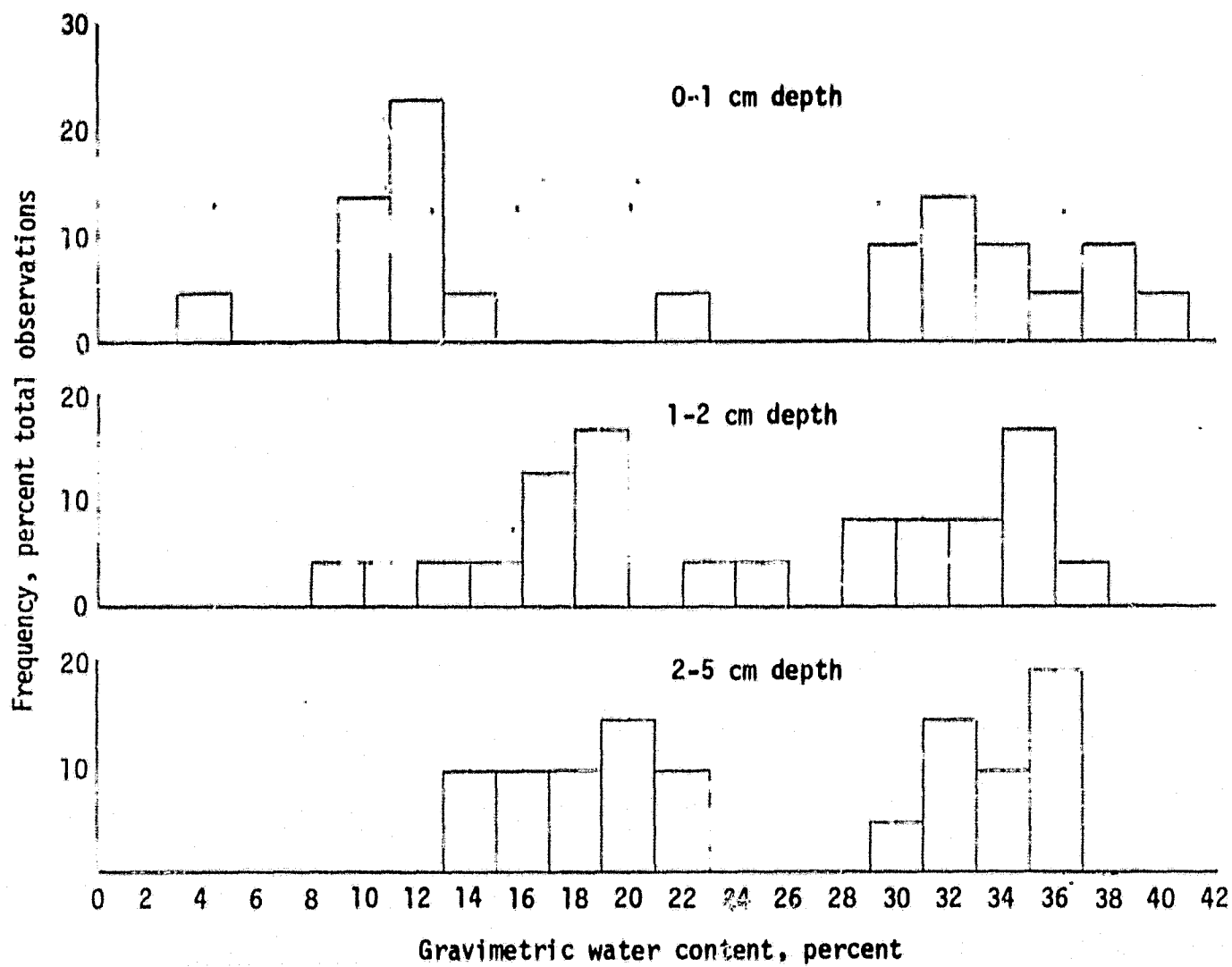
(h) Field 26 (irrigated corn), Julian day 199.

Figure 3.- Continued.



(i) Field 21 (irrigated corn), Junian day 101.

Figure 3.- Continued.



(j) Field 2 (irrigated corn), Julian day 221.

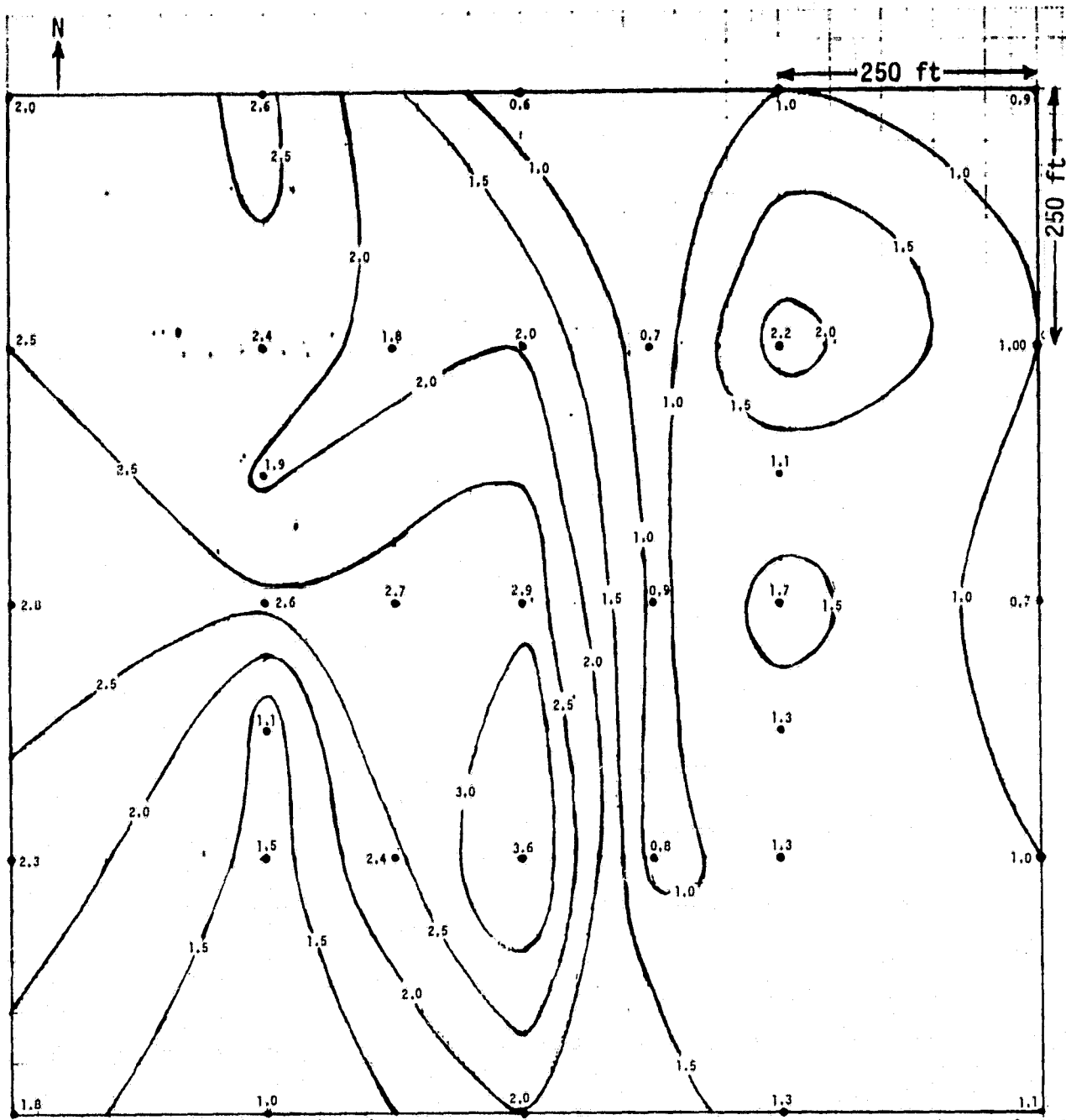
Figure 3.- Concluded.

and caution must be exercised in representing a field moisture regime in terms of mean moisture contents. Particularly when field measurements are used for calibrating moisture-sensing devices, it may be useful to stratify the field into several relatively uniform areas. This can best be done by plotting moisture isolines at regular increments.

Typical examples of the spatial distribution of soil moisture for fallow, wheat stubble, milo, and irrigated corn fields under varying levels of overall wetness are shown in figures 4(a) through 4(h). Data show marked changes in distribution patterns from dry to wet conditions. The patterns shown, however, would appear to have been influenced by the interval chosen between successive moisture content isolines. With large intervals at higher moisture contents, fields appear to be more uniform than with smaller intervals at lower moisture contents. But this cannot be avoided if one wishes to distinguish between different moisture content values under varying levels of overall wetness. Intervals between successive moisture content isolines, when considered as a percentage of mean moisture values, show that, in general, field heterogeneity decreases with increasing overall wetness.

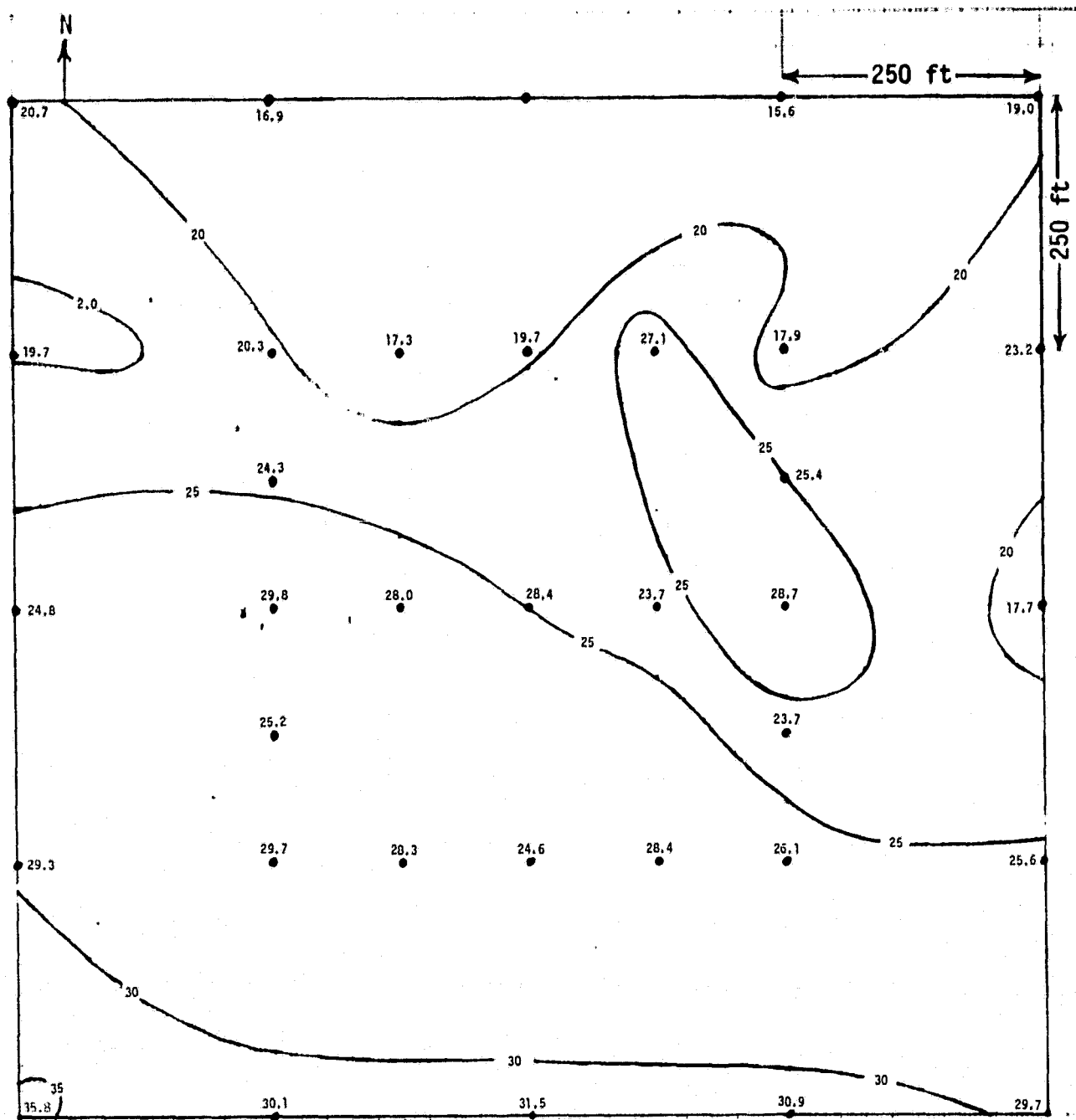
Moisture distribution patterns at any given level of wetness are influenced by surface conditions of microrelief, cover, planting pattern, and modes of water application. In fallow [figs. 4(a) and 4(b)] and wheat stubble [figs. 4(c) through 4(e)] fields, distinctly uniform areas appear to be distributed more or less randomly; their size and number change, depending on the degree of wetness. Irrigated corn fields [figs. 4(f) and 4(g)], on the other hand, show a pattern which appears to be influenced greatly by the rotation pattern of the irrigation boom. Moisture distribution patterns for a nonirrigated milo field [fig. 4(h)] show sharply separated wet and dry areas. Partial wetting of this field from irrigation in adjoining corn fields is suspected.

The examples of the spatial distribution of moisture content shown in figures 4a through 4h suggest that a variety of distribution patterns over the 43 fields used in the Colby experiment should be expected. Since any given distribution pattern is a result of surface soil characteristics of texture and



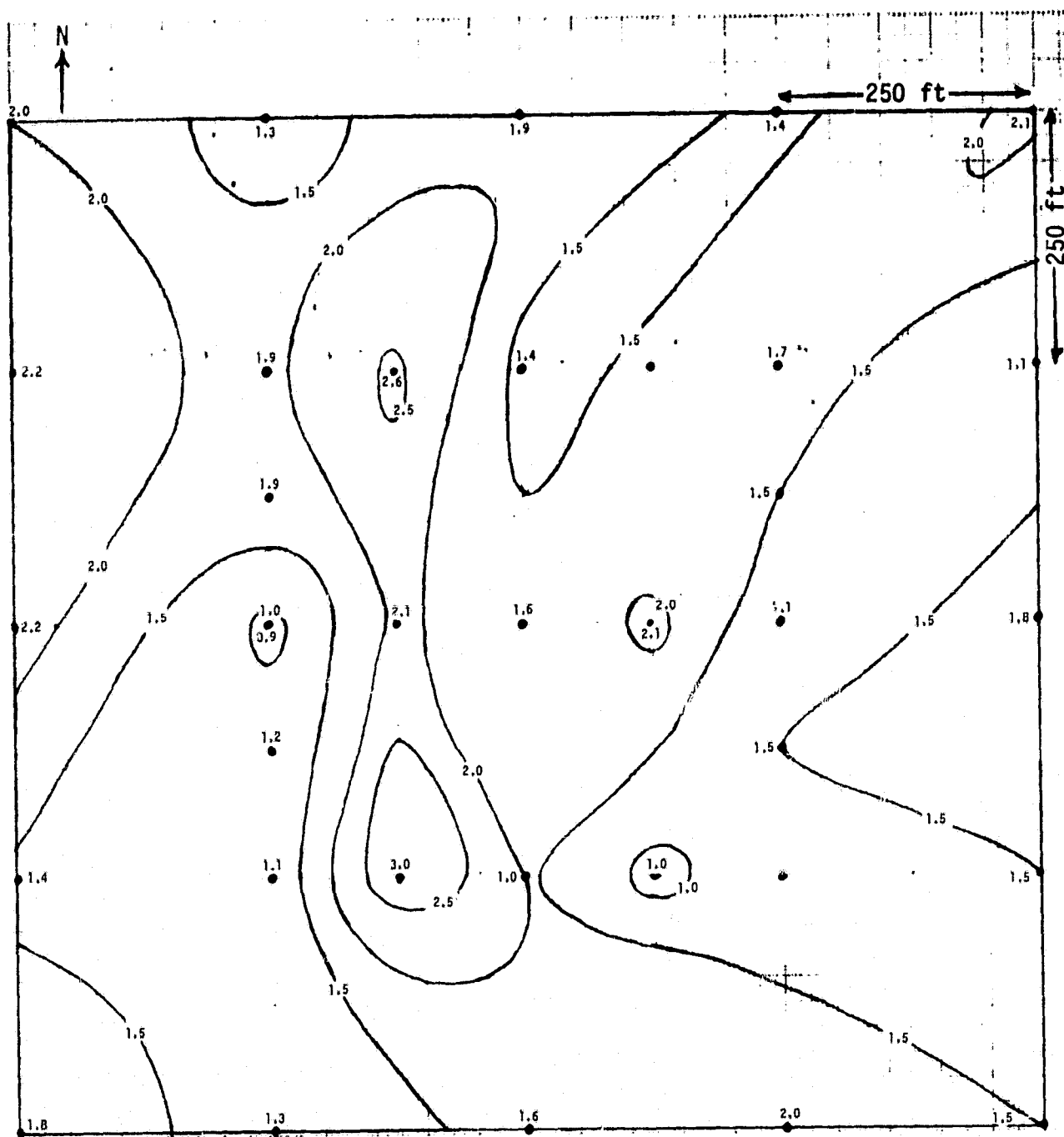
(a) Field 9 (fallow), 0 to 1 cm depth, Julian day 199.

Figure 4.- Examples of the spatial distribution of soil moisture in fallow, wheat stubble, irrigated corn, and milo fields (numbers represent gravimetric water content in percentages).



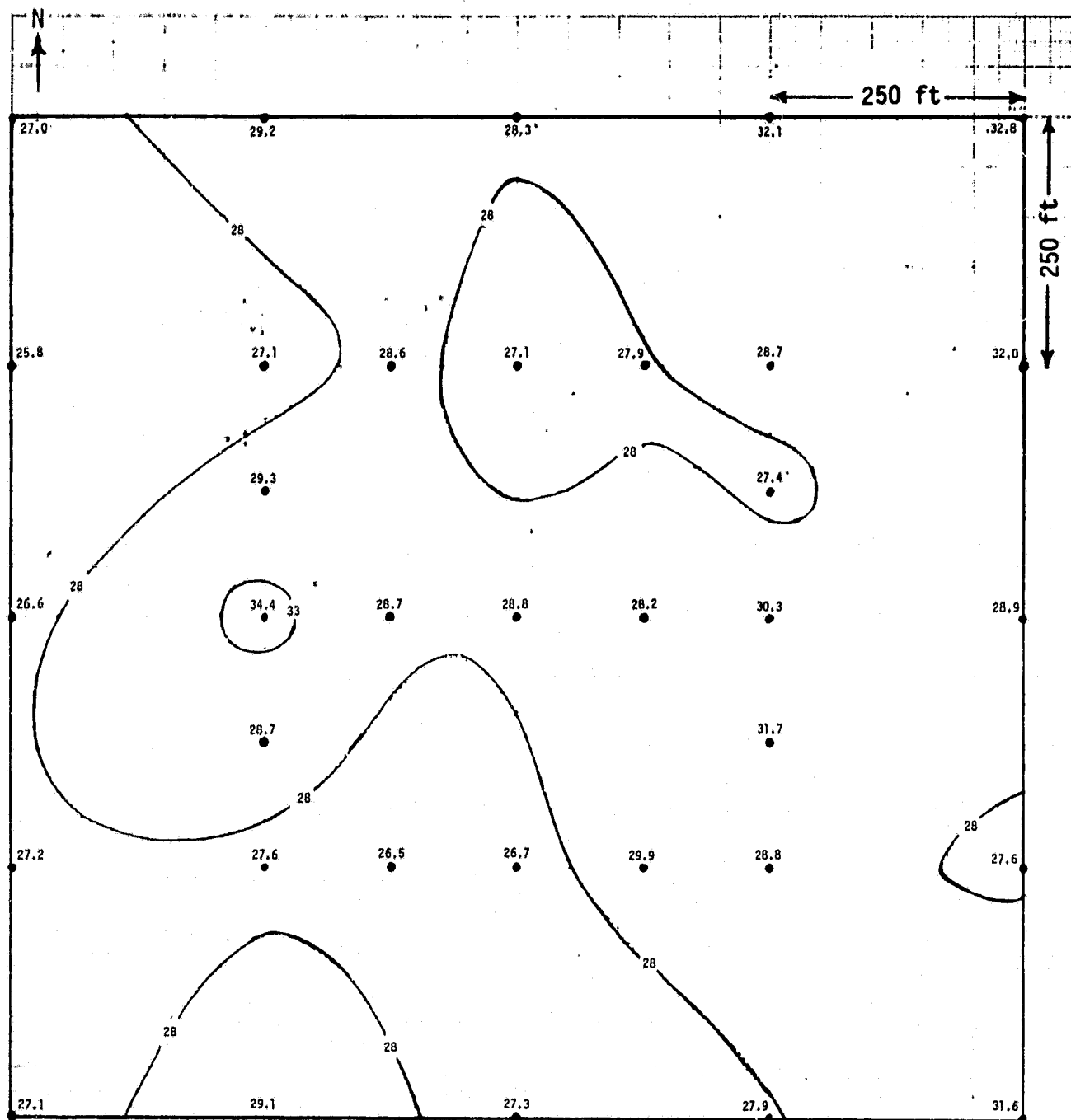
(b) Field 9 (fallow), 0 to 1 cm depth, Julian day 203.

Figure 4.- Continued.



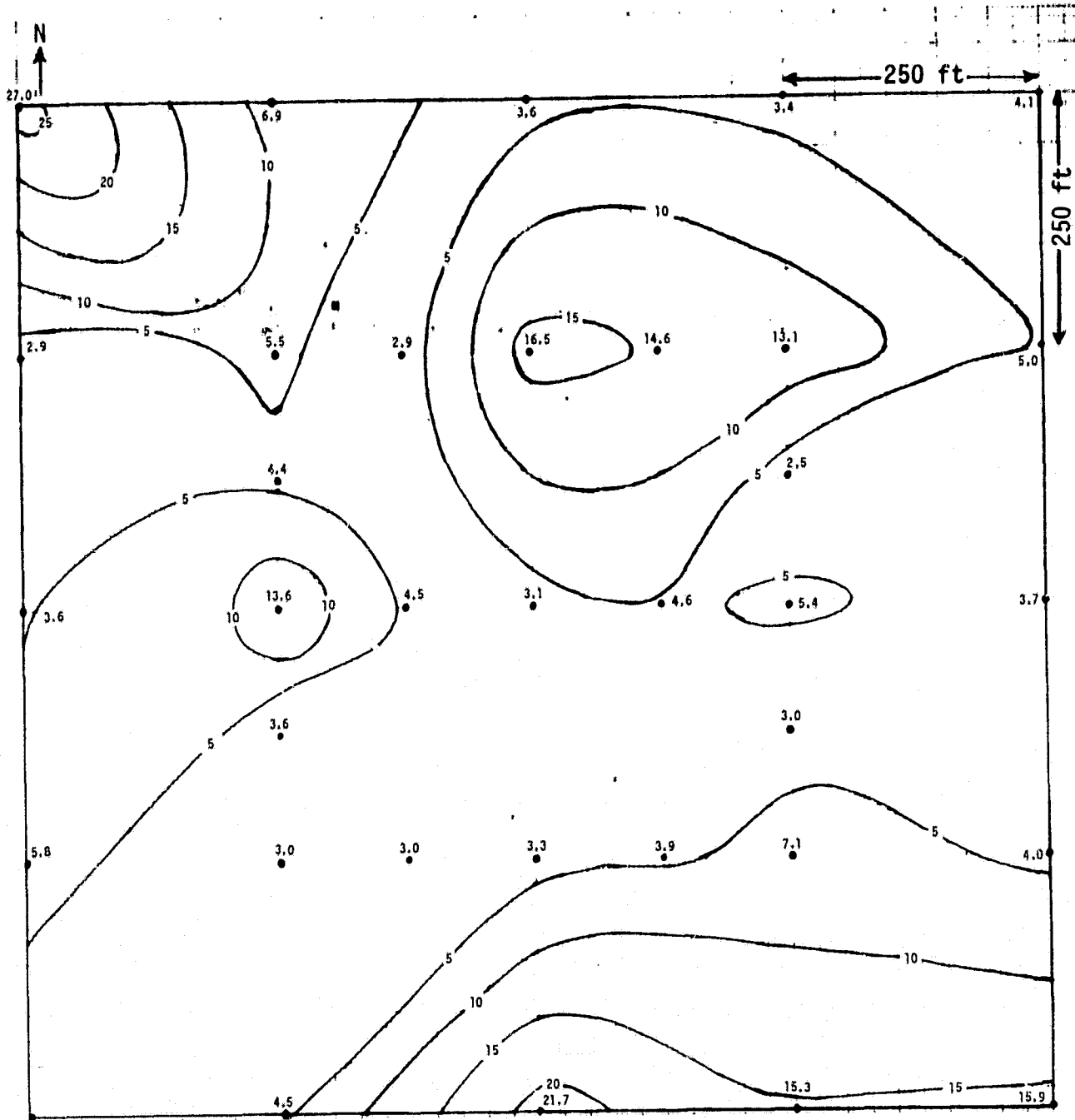
(c) Field 27 (wheat stubble), 0 to 1 cm depth, Julian day 199.

Figure 4.- Continued.



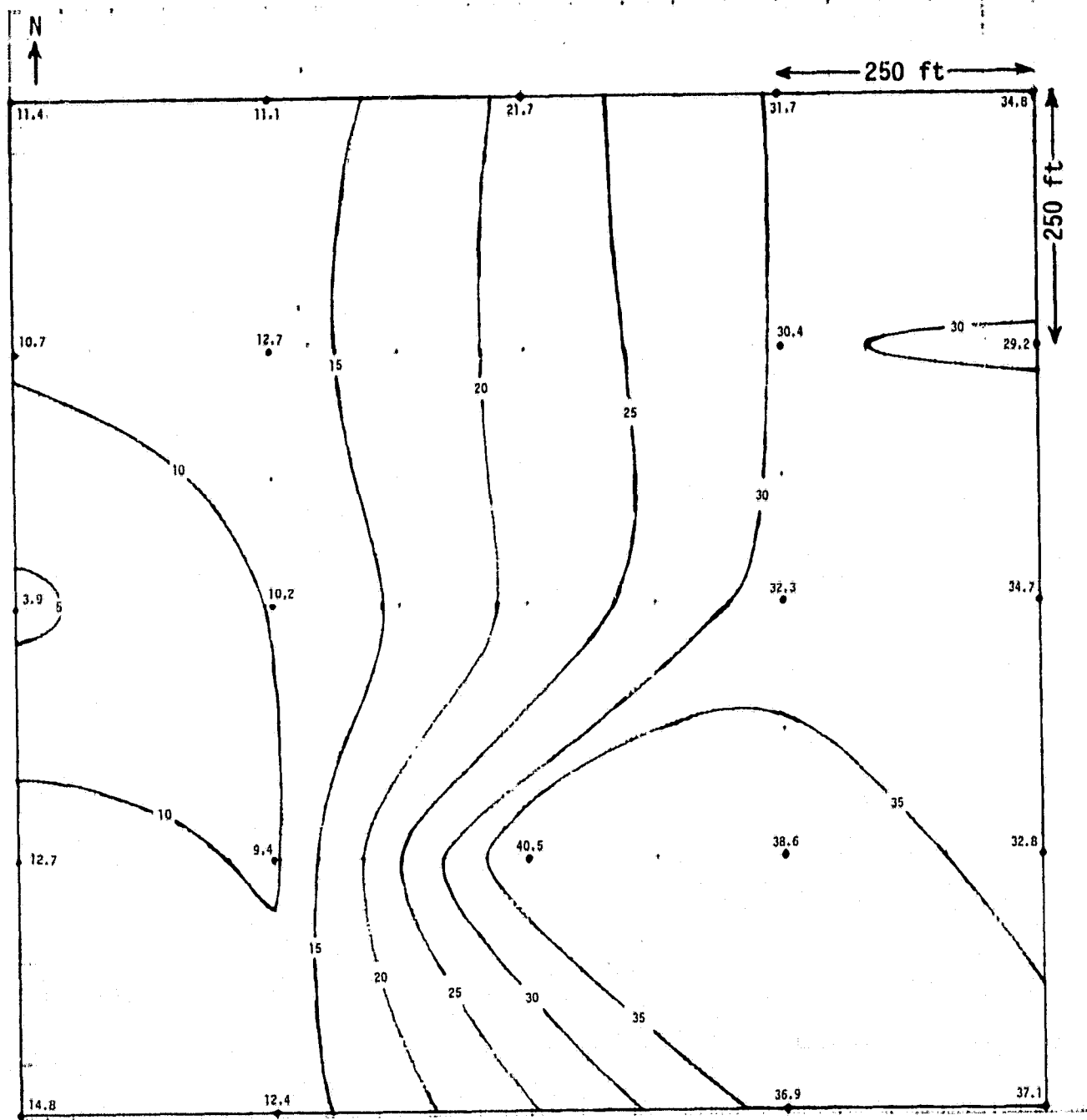
(d) Field 27 (wheat stubble), 0 to 1 cm depth, Julian day 203.

Figure 4.- Continued.



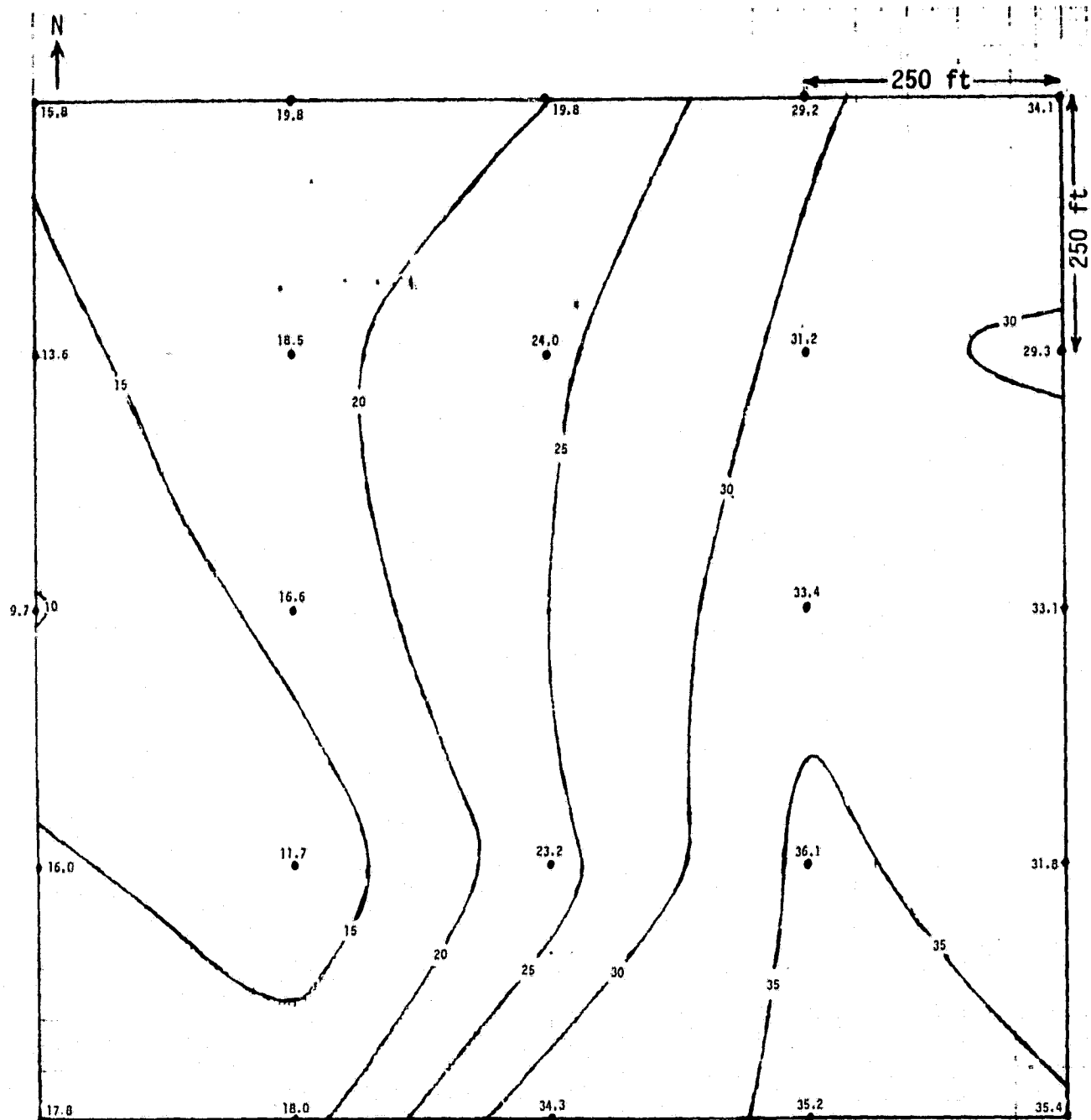
(e) Field 29 (wheat stubble), 0 to 1 cm depth, Julian day 223.

Figure 4.- Continued.



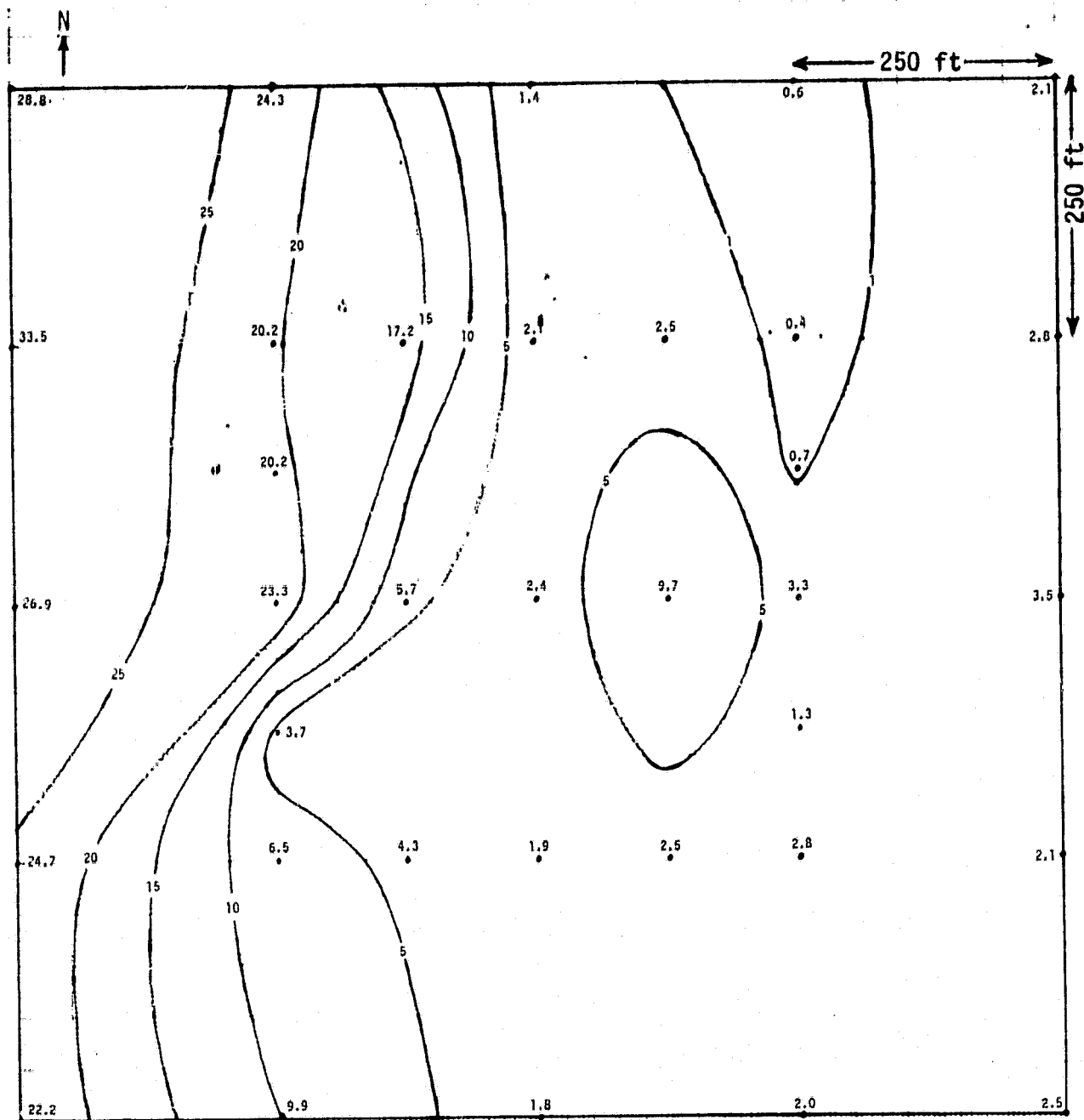
(f) Field 2 (irrigated corn), 0 to 1 cm depth, Julian day 221.

Figure 4.- Continued.



(g) Field 2 (irrigated corn), 1 to 2 cm depth, Julian day 221.

Figure 4.- Continued.



(h) Field 24 (milo), 0 to 1 cm depth, Julian day 199.

Figure 4.- Concluded.

structure, microrelief, cover, vegetation activity, and wetting-drying history, each distribution should be treated uniquely. A decision as to whether or not the field should be subdivided into sections of relatively uniform moisture content must be made by the user of the data.

4.3 STATISTICS OF SOIL MOISTURE VARIABILITY

For most soil moisture data, it is customary to express the mean value along with the standard deviation and coefficient of variation. These quantities for the Colby soil moisture data are tabulated in appendix A.

The statistics reported in appendix A were utilized to examine, in some detail, the nature of soil moisture variability relative to Colby fields and range of soil wetness conditions encountered.

Standard deviations of moisture measurements in the 0 to 1, 1 to 2, 2 to 5, 5 to 9, and 9 to 15 centimeters layers for the fallow and irrigated corn fields as a function of mean gravimetric moisture are plotted in figures 5 and 6. Similar results were obtained for wheat stubble, milo, and pasture fields. Data show that standard deviations increase with increasing moisture content from near zero to a certain level (15- to 20-percent range) and then decrease with further increase in moisture content. From these plots one may conclude that variability in moisture contents is maximum over the intermediate wetness range and is minimum when the fields are very dry or very wet. Such an interpretation, however, would appear to be misleading. For example, a standard deviation of 3 percent moisture at mean moisture contents of 3 percent and 30 percent indicates coefficients of variation of 100 percent and 10 percent, respectively. Thus, relative to the mean value, variation in moisture content would appear to be higher under dry conditions and lower under wet conditions.

In view of the significance of variability of moisture measurements relative to degree of wetness, it was considered more desirable to express the variability in terms of coefficients of variation. Coefficients of variation, as a function of mean gravimetric water content for fallow, wheat stubble, irrigated corn, milo, and pasture fields, are shown in figures 7, 8, 9, 10, and

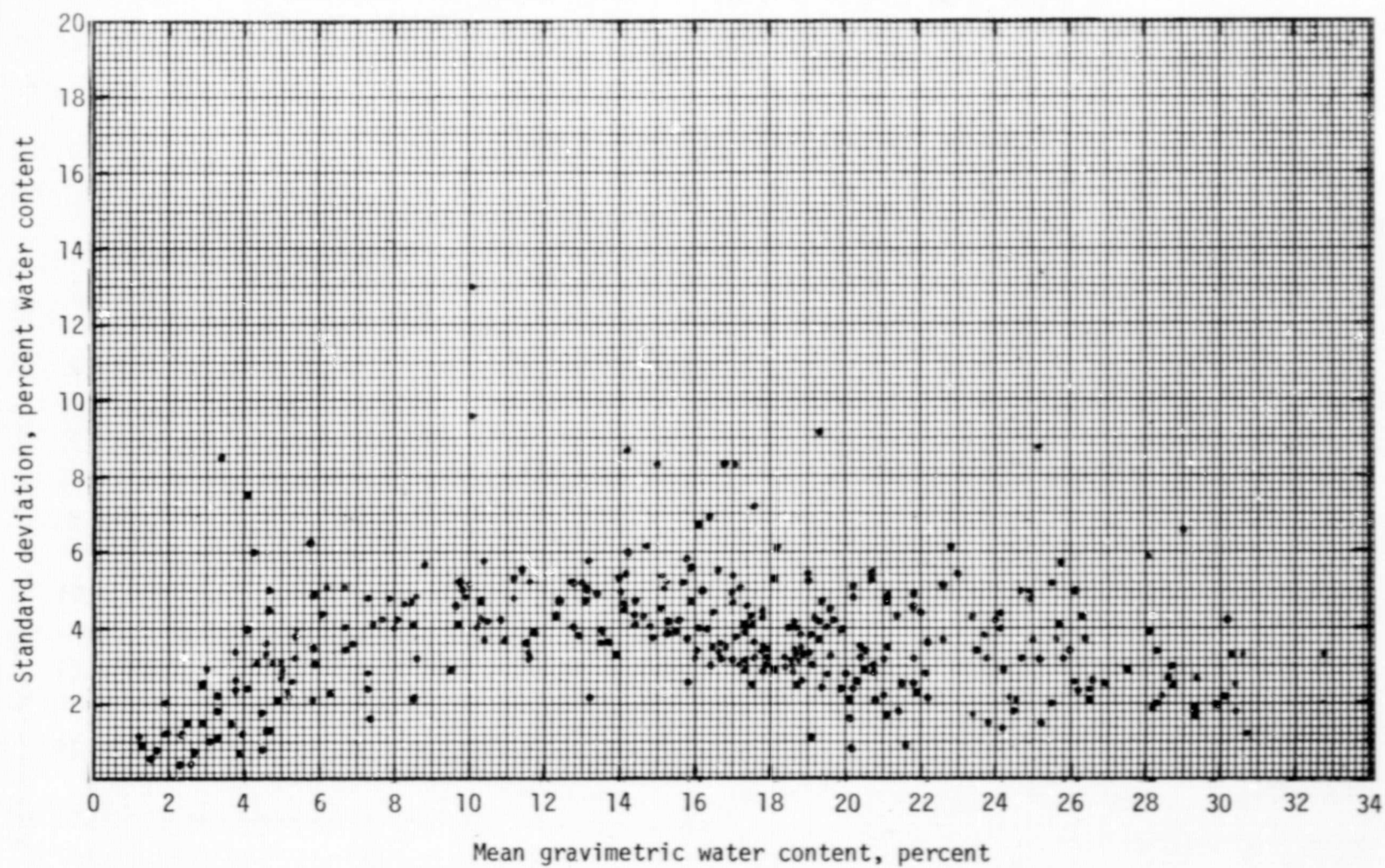


Figure 5.- Standard deviations of gravimetric water content measurements in fallow fields (0 to 1, 1 to 2, 2 to 5, 5 to 9, and 9 to 15 cm depth intervals).

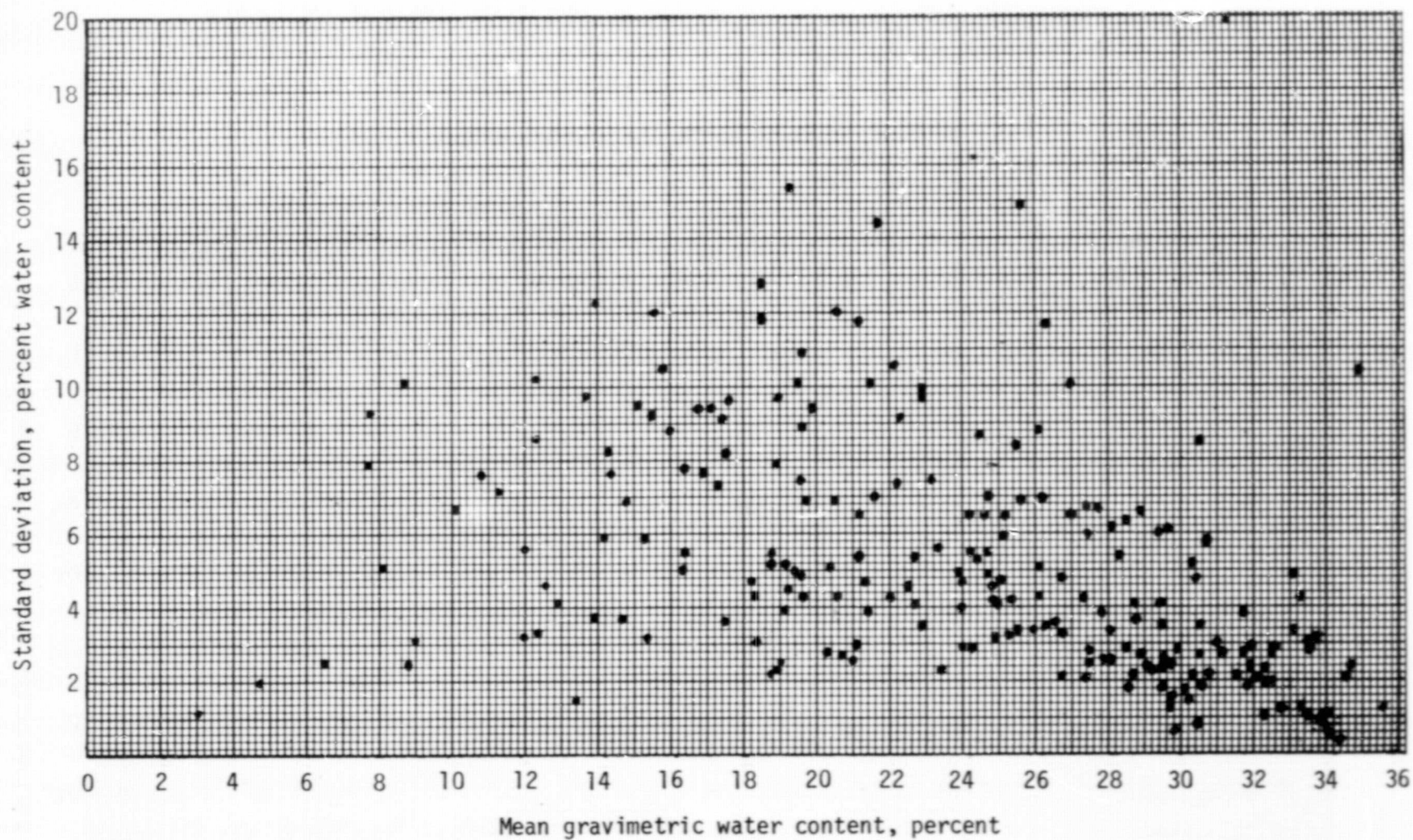


Figure 6.- Standard deviations of gravimetric water content measurements in irrigated corn fields (0 to 1, 1 to 2, 2 to 5, 5 to 9, and 9 to 15 cm depth intervals).

11, respectively. For each field group, data for 0 to 1, 1 to 2, 2 to 5, 5 to 9, and 9 to 15 centimeters depths were pooled.

4.4 EFFECTS OF WETNESS ON VARIABILITY

Data in figures 7 through 11 show that the coefficient of variation decreases with increasing moisture content. An important feature of the data is that most of the variability appears between an upper and a lower limit. These limits are indicated approximately by dotted lines in figures 7 through 11. The range between the upper and lower limits is widest near the dry end and narrowest near the maximum wetness. Thus, not only the variability decreases with moisture content, but also the range of variability. The fact that any given moisture content has, associated with it, a range of coefficients of variation suggests that individual fields within any group are different from each other in their variability characteristics.

4.5 EFFECTS OF CULTURAL PRACTICES ON VARIABILITY

Soil moisture variability within any given field reflects variations in texture, structure, microrelief, cover, activity of vegetation, water application patterns, depth, and degree of tillage, and wetting-drying history. Although these aspects are common to most cultivated fields, their effects vary from field to field and are continually modified as cultural treatments change. Thus, an influence of cultural practices should be expected on soil moisture variability. The upper and lower limits of coefficients of variation as a function of mean moisture content for the various cultural practice groups are shown in figure 12. Data show substantial differences among the various groups of fields. In regard to the limits of the coefficients of variation, the order is: irrigated corn > milo > fallow > wheat stubble > pasture, with the exception that upper limits for the fallow, wheat stubble, and pasture group of fields appear somewhat similar in the range of moisture content from about 10 percent to about 30 percent. In general, differences between field groups appear to widen with decreasing moisture content.

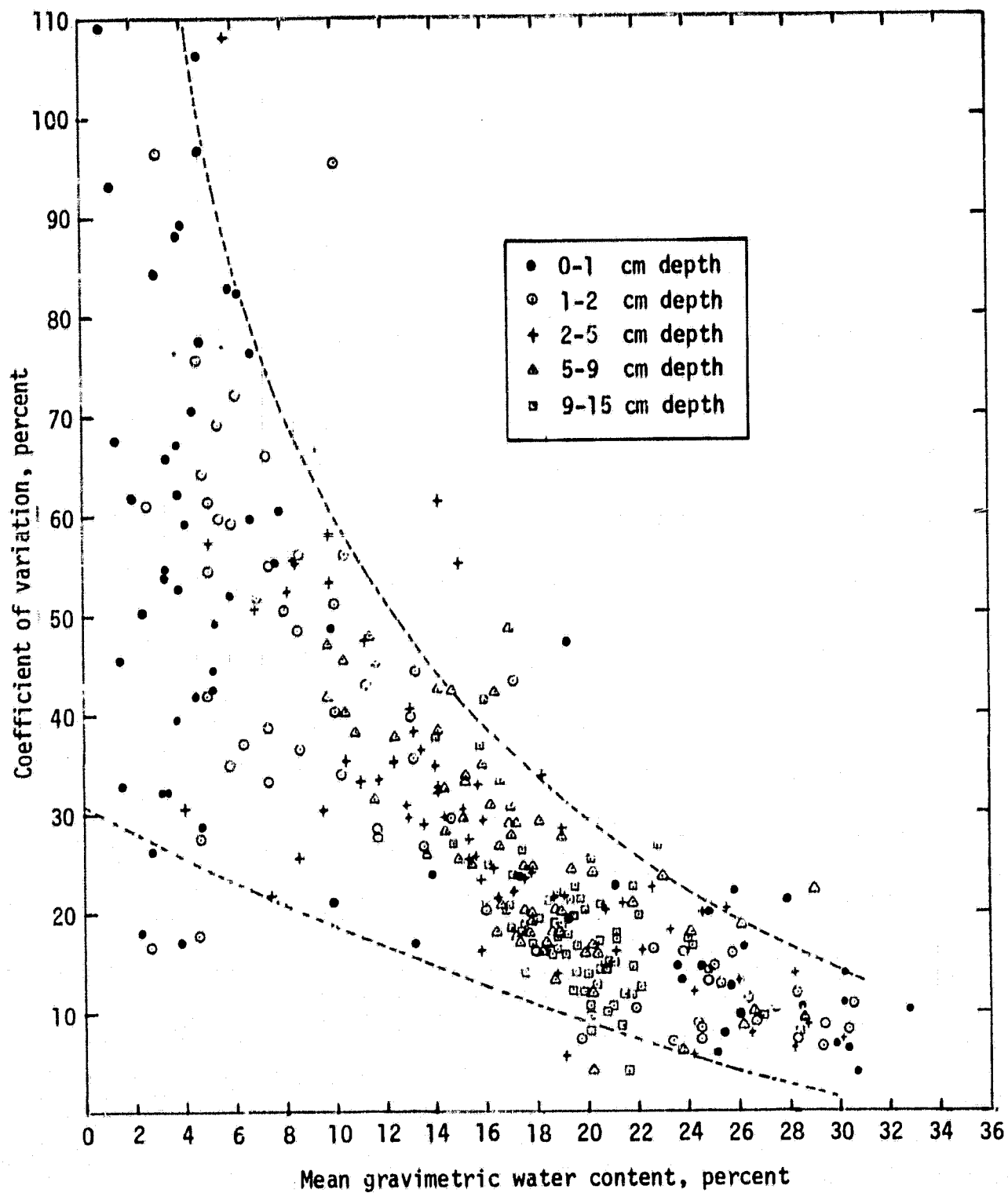


Figure 7.- Variation in water content of surface soil (small depth increments) in fallow fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

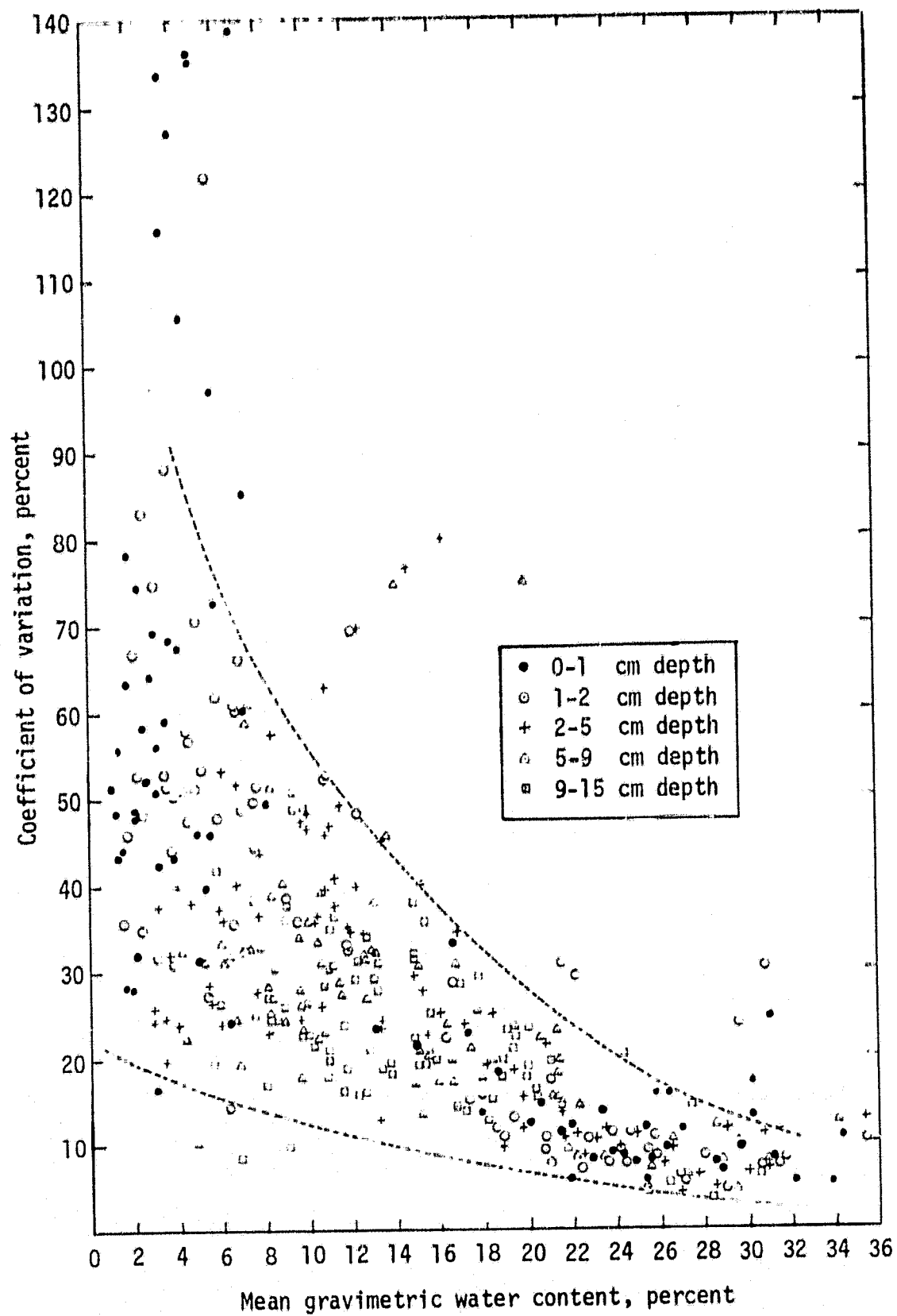


Figure 8.- Variation in water content of surface soil (small depth increments) in wheat stubble fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

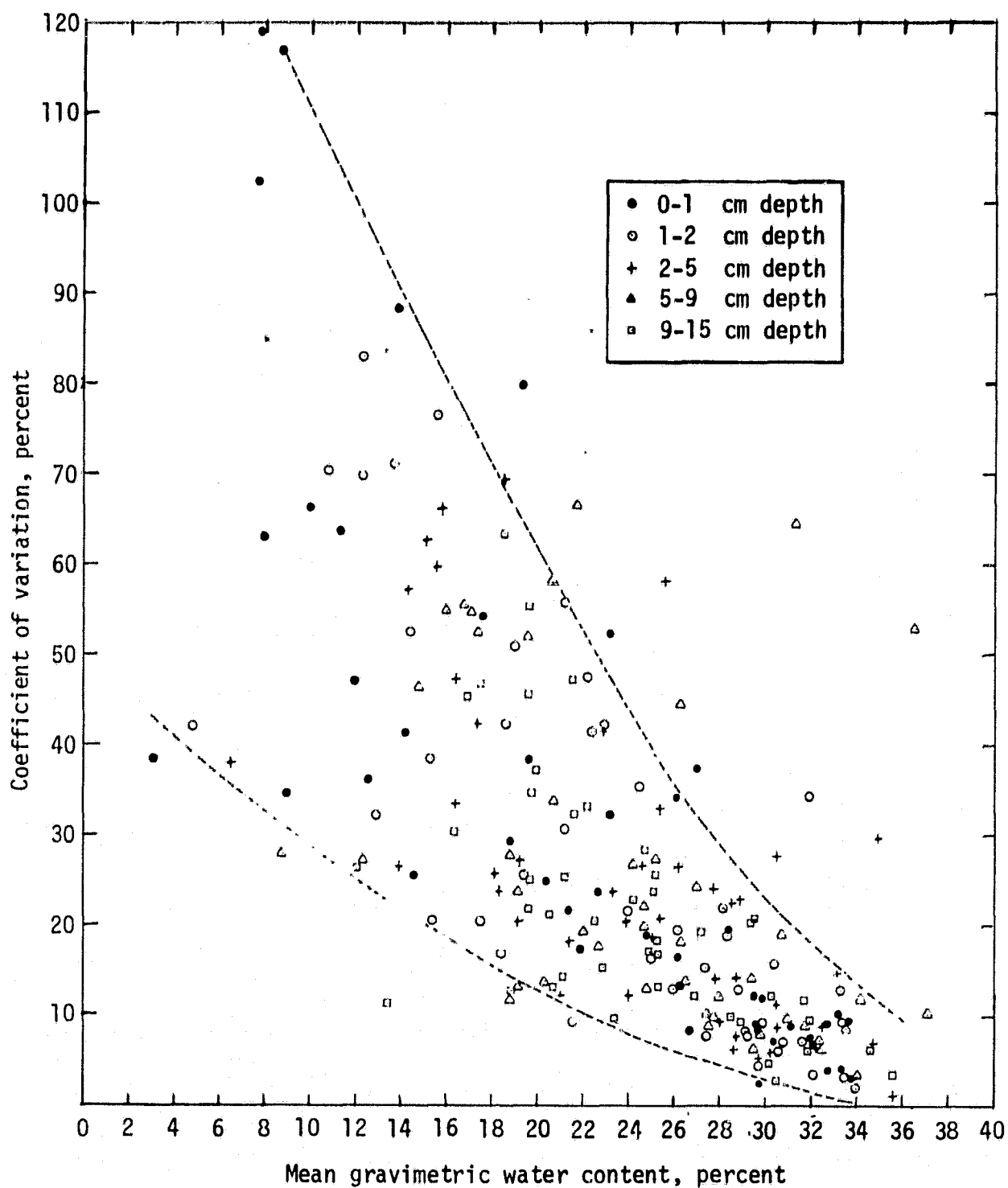


Figure 9.- Variation in water content of surface soil (small depth increments) in irrigated corn fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

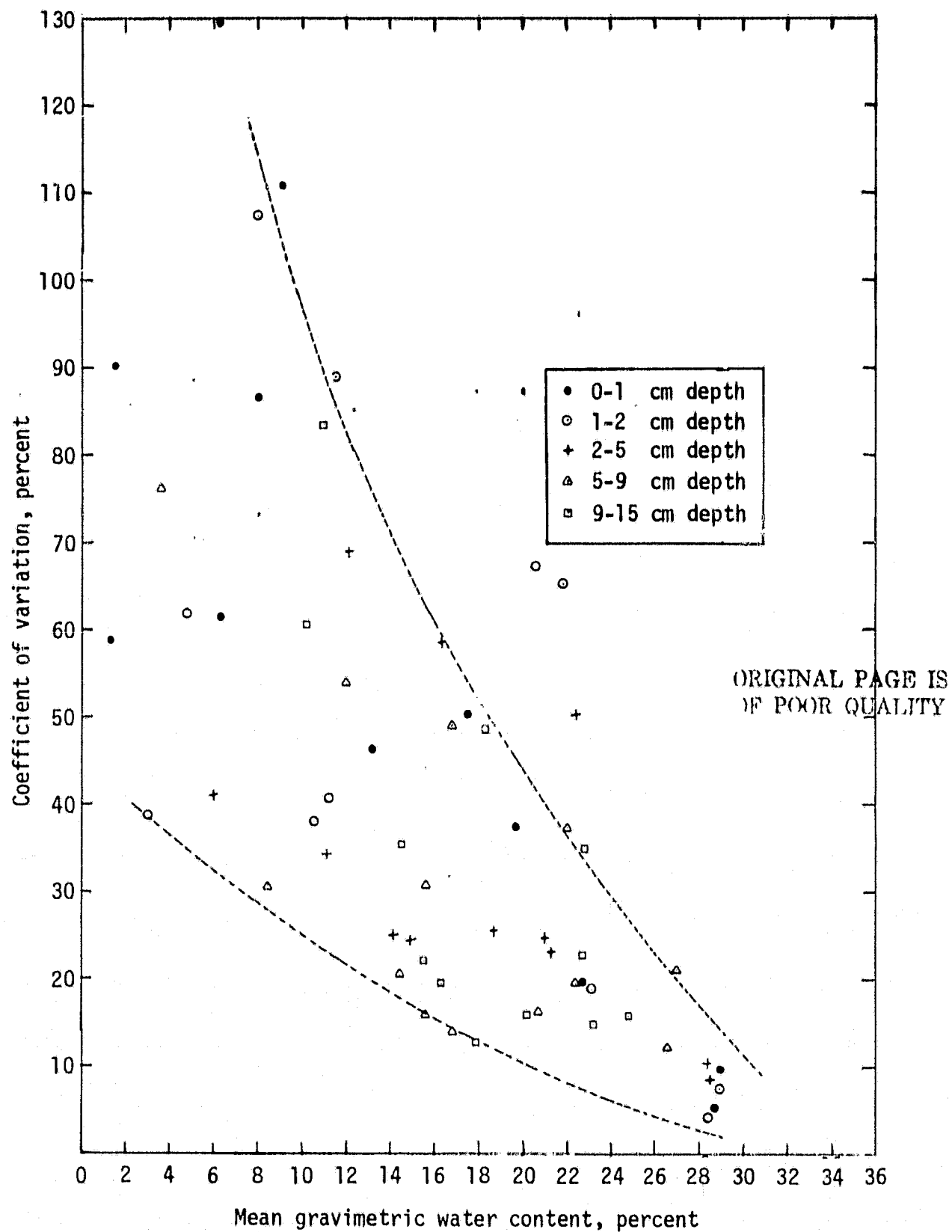


Figure 10.- Variation in water content of surface soil (small depth increments) in milo fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

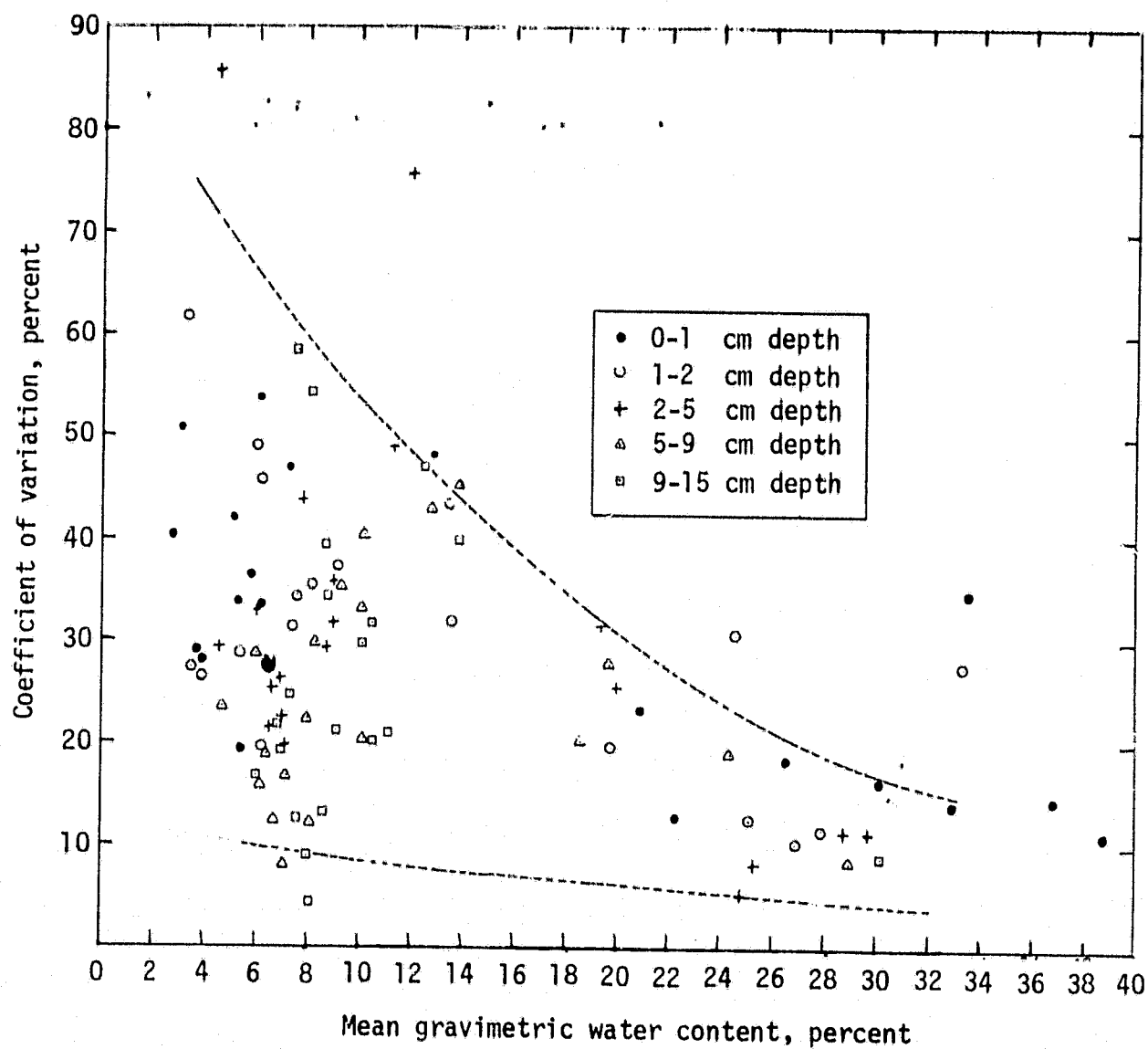


Figure 11.- Variation in water content of surface soil (small depth increments) in pasture fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

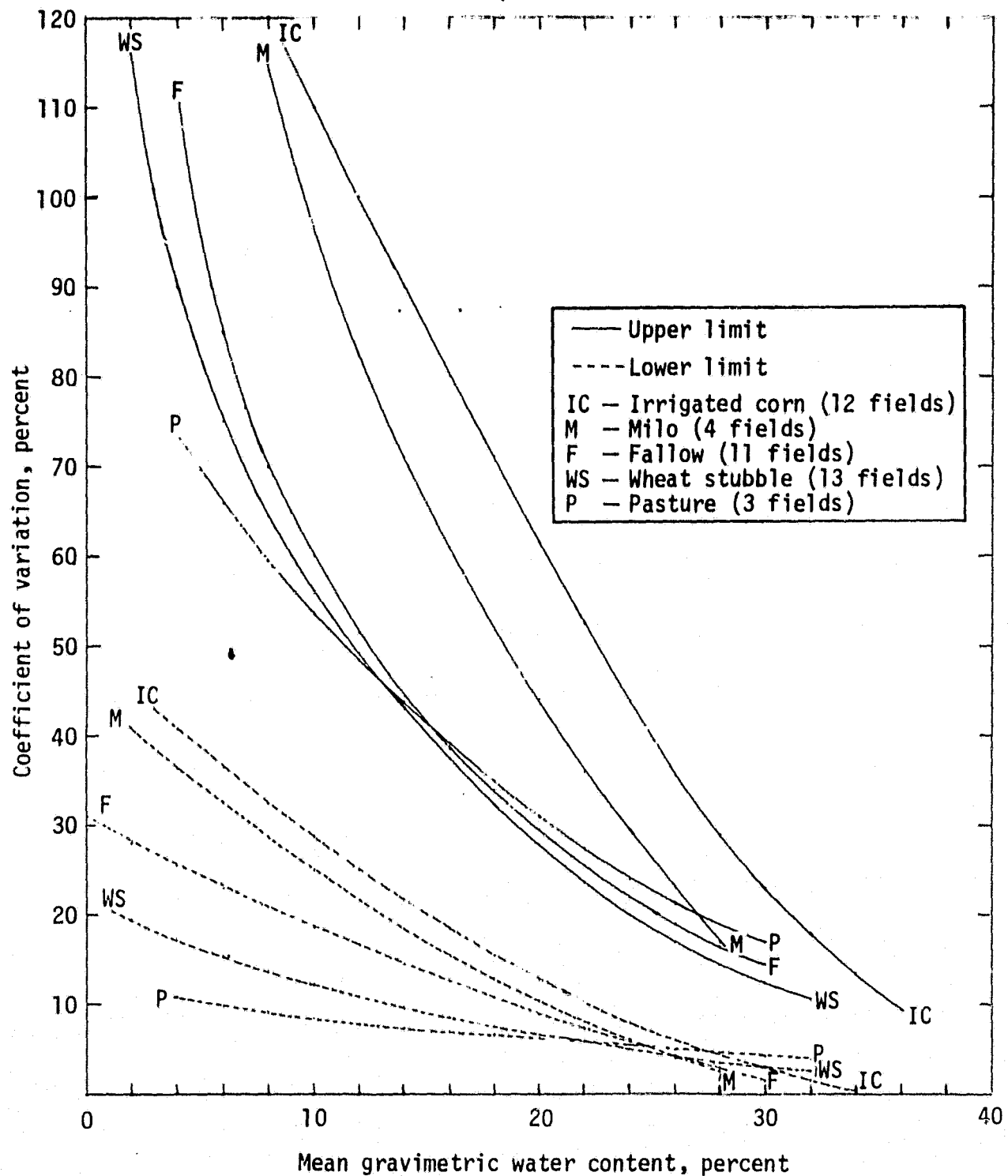


Figure 12.- Approximate limits (drawn subjectively) of surface soil water content variability as a function of water content for five crop groups in Colby, Kansas.

4.6 EFFECTS OF DEPTH OF SAMPLING ON VARIABILITY

Depth of sampling appears to have an influence on the variability observed in soil moisture measurements. Coefficients of variation, as a function of mean soil moisture for measurements in the 0 to 15, 15 to 30, and 30 to 45 centimeters depth increments, are shown for the various field groups in figures 13 through 17. Compared with the data for observations involving small depth increments, the scale of coefficient of variation to moisture content relationship appears to have been substantially modified. With larger depth increments, the range of moisture contents observed is narrower, and that of coefficients of variation appears to be wider. In a drying soil, moisture profiles near the surface exhibit sharp gradients which can be adequately traced only by sampling in very small depth increments. Large sampling depths tend to reduce the gradients; thus, the range of moisture contents observed is narrowed. The variabilities associated with measurements of very low or very high moisture contents are not reflected. Larger sampling depths may also include soil material from across dissimilar layers in the vertical and may introduce additional variations in the measurements. Figures 18 and 19 show the effect of sampling depth increment on the observed variability in 0 to 15 centimeters soil in the fallow and irrigated corn fields. Data show a substantial reduction in the range of observed moisture contents in both the cases. An increase in the range of coefficients of variation, however, appears in the case of fallow fields only.

4.7 EXTRANEOUS VALUES AND VARIABILITY

Apart from the natural variabilities that are inherent in field soils, extraneous values in moisture data are often encountered. They may be real measurements representing an unusually wet or dry spot in the field or may be a result of gross errors. Identification of such values is usually difficult, particularly when the number of observations in the data set is small and the whole field is not represented adequately. The decision to eliminate extraneous values (when identified) must be based on the objective of the analyses and the improvement that may be effected. We examined the effect of eliminating data flagged "F" or "S" (see appendix A) in the case of wheat stubble

fields. Coefficients of variation as a function of gravimetric moisture content for the screened data are plotted in figure 20. Those for the unscreened data are shown in figure 8. The results show that, although noise from the unscreened data is eliminated, the basic nature of dependence of variability on moisture content remains virtually unaltered. In regard to the range of variability associated with any given moisture content, the effect of eliminating flagged data appears to be minor.

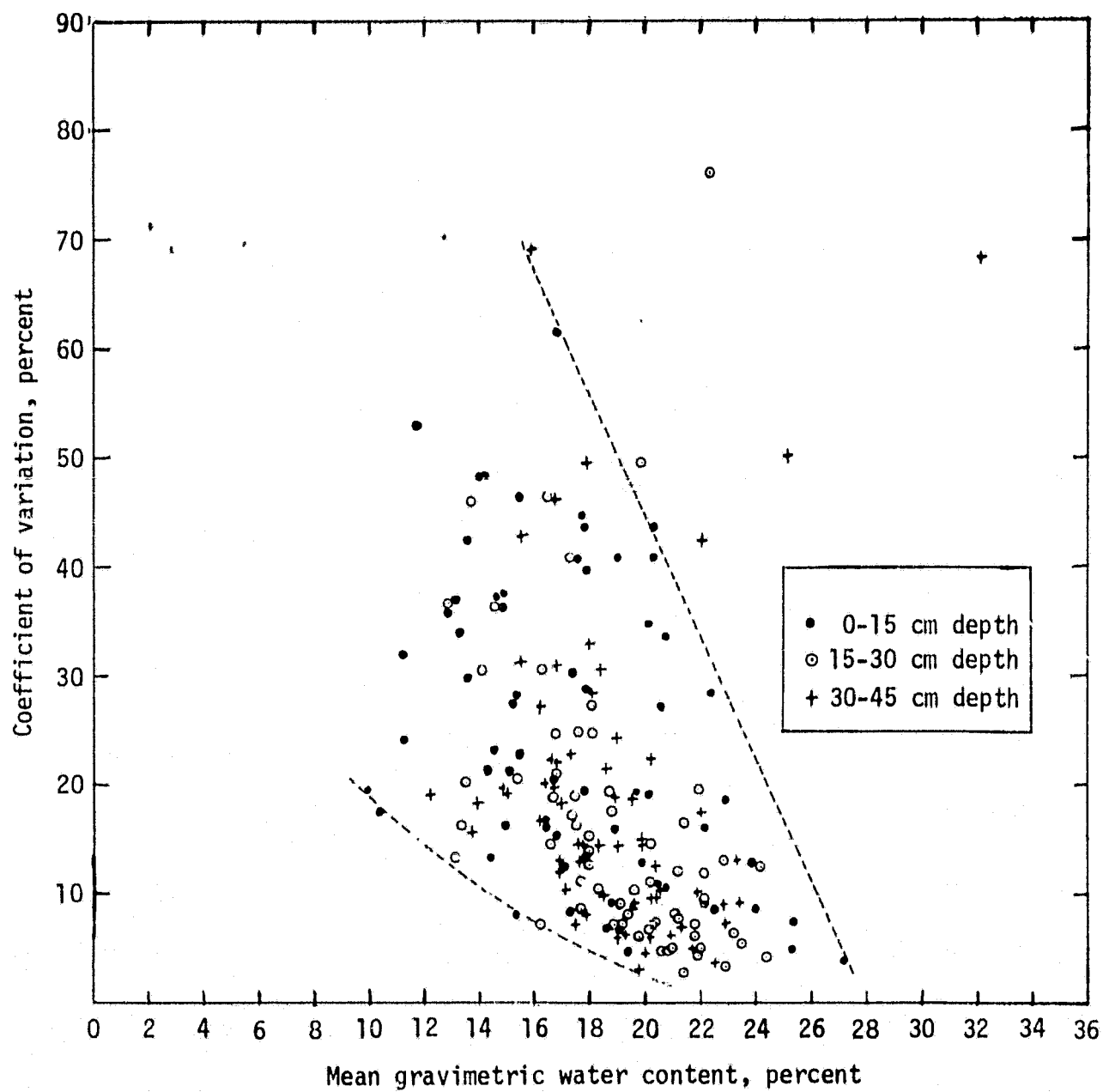


Figure 13.- Variation in water content of surface soil (large depth increments) in fallow fields, Colby, Kansas.

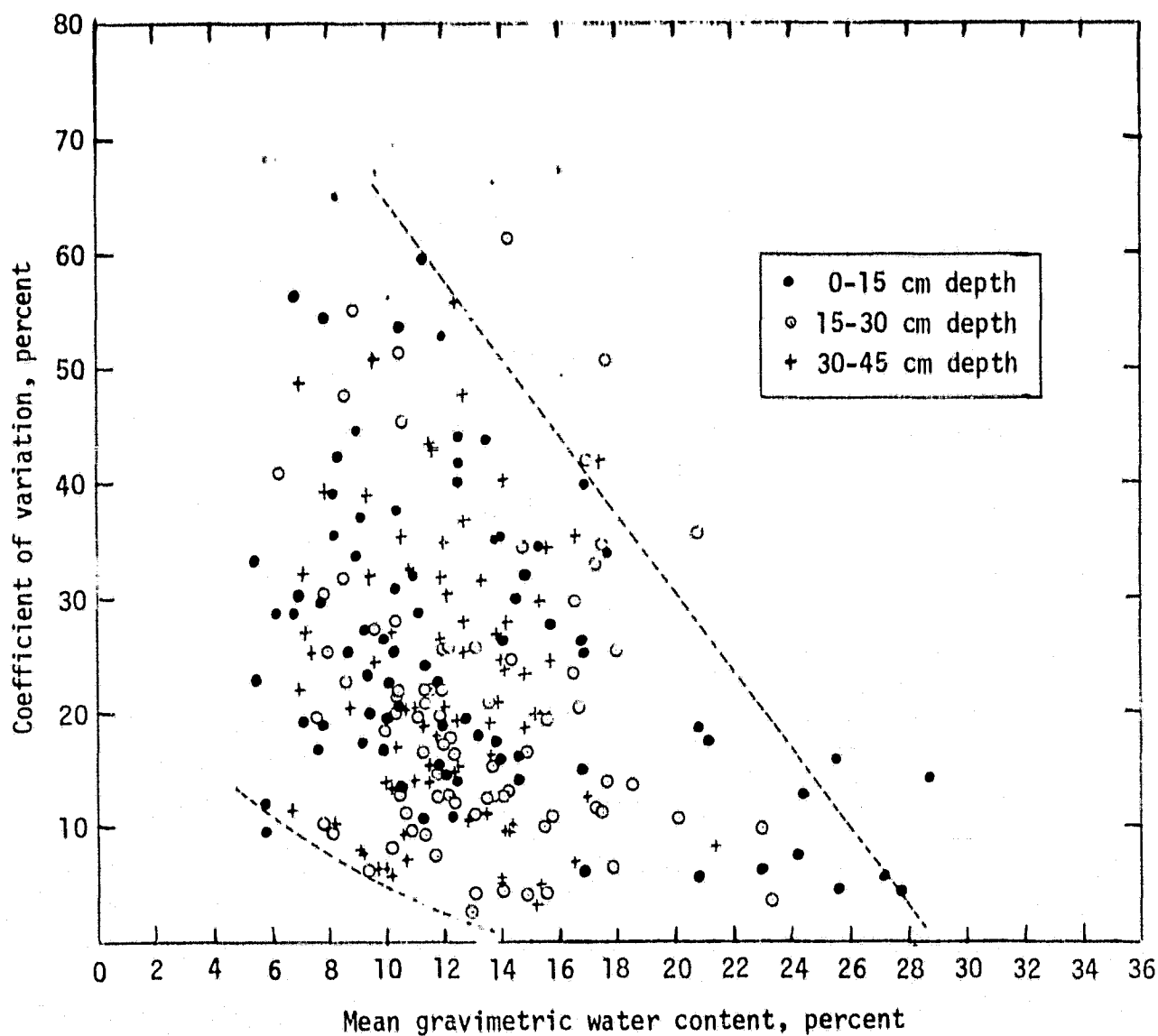


Figure 14.- Variation in water content of surface soil (large depth increments) in wheat stubble fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

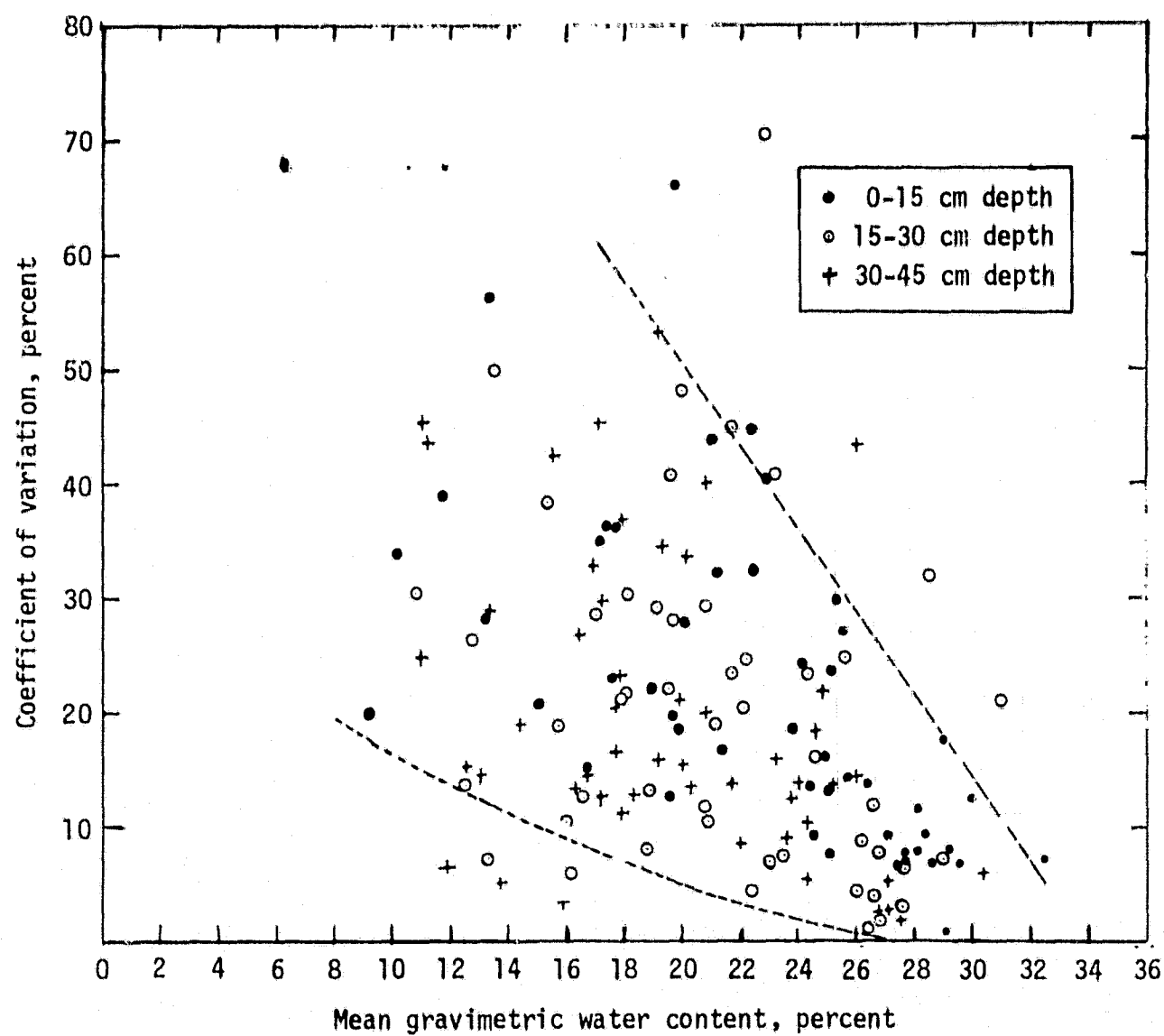


Figure 15.- Variation in water content of surface soil (large depth increments) in irrigated corn fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

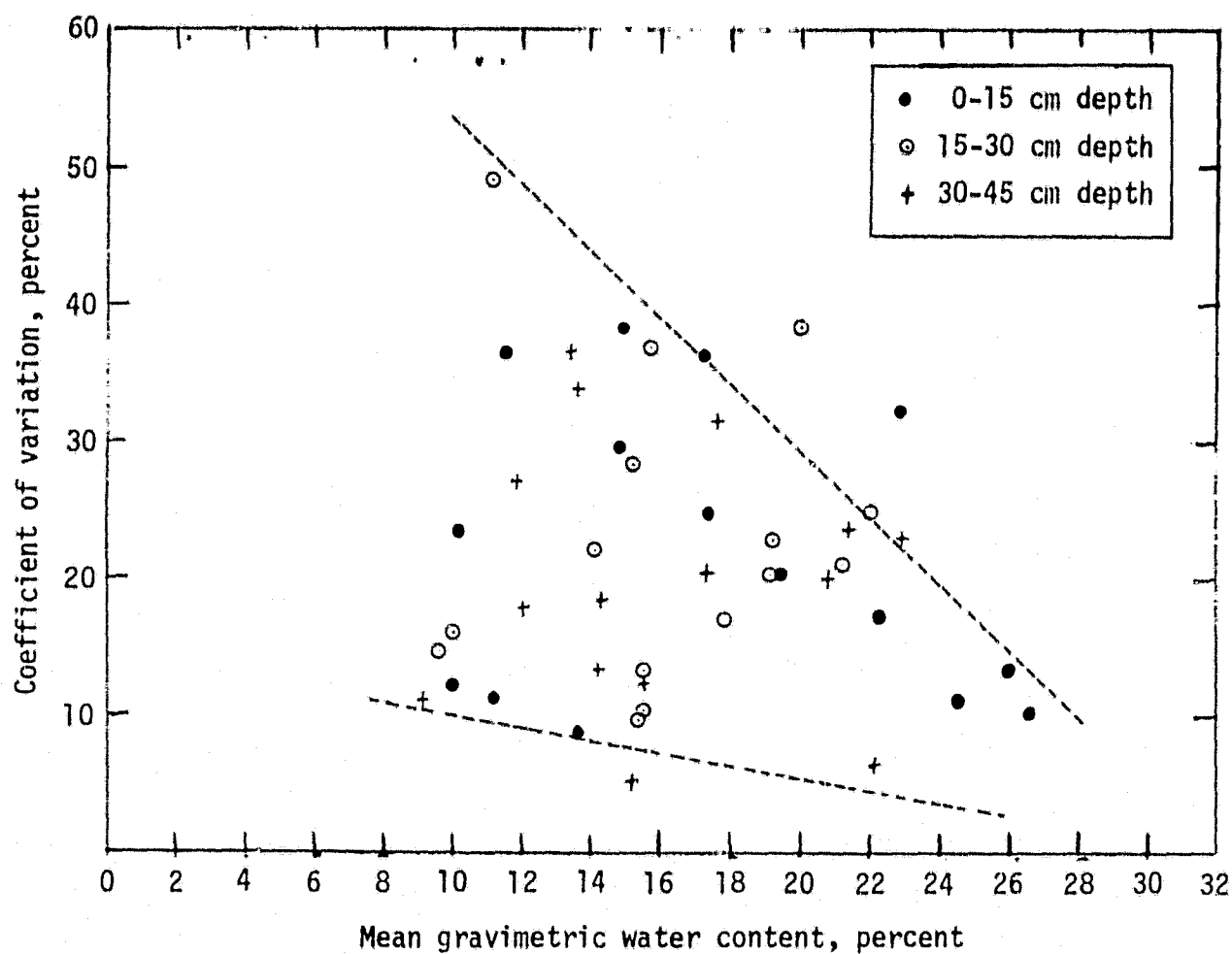


Figure 16.- Variation in water content of surface soil (large depth increments) in milo fields, Colby, Kansas. (The upper and lower limits are drawn subjectively.)

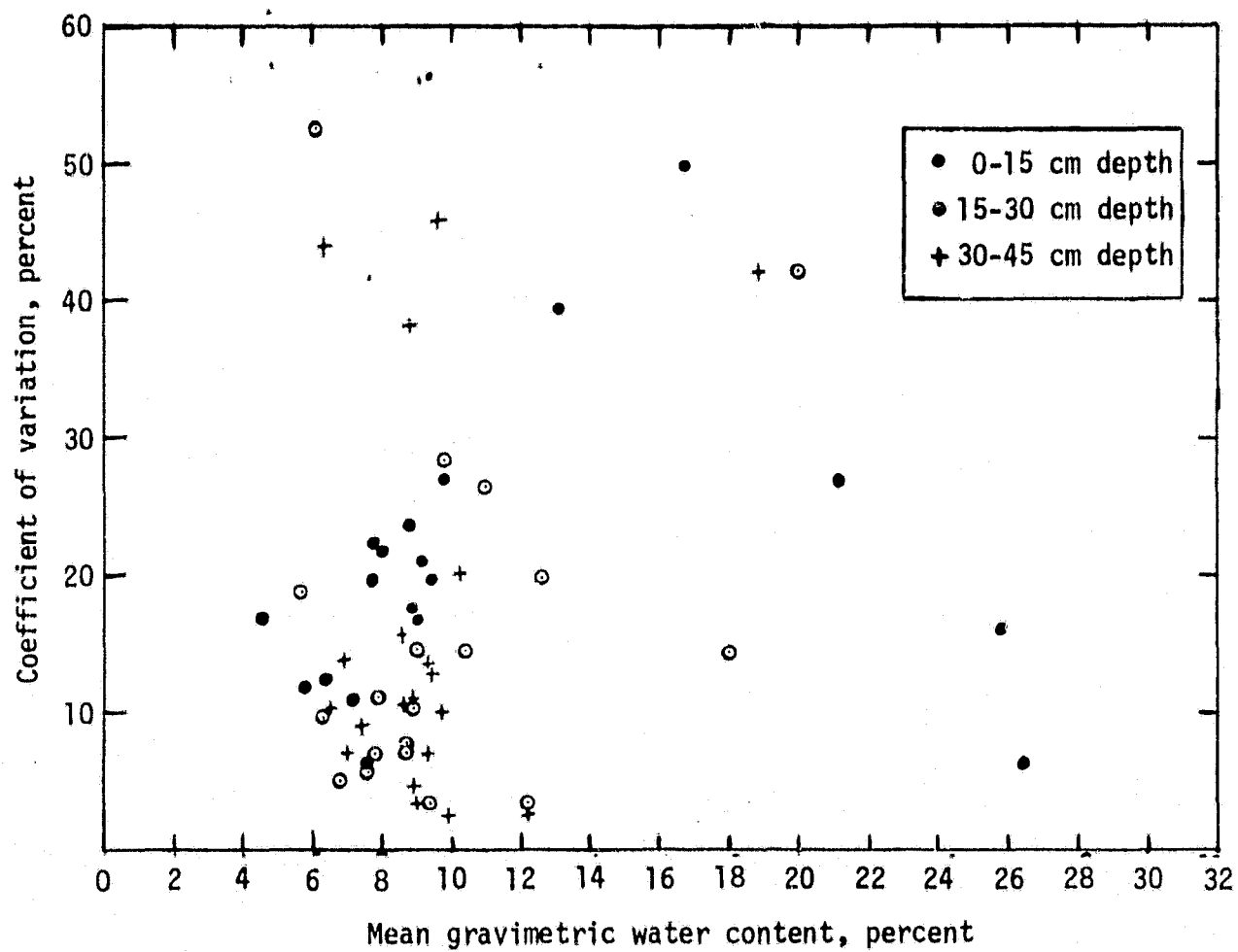


Figure 17.- Variation in water content of surface soil (large depth increments) in pasture fields, Colby, Kansas.

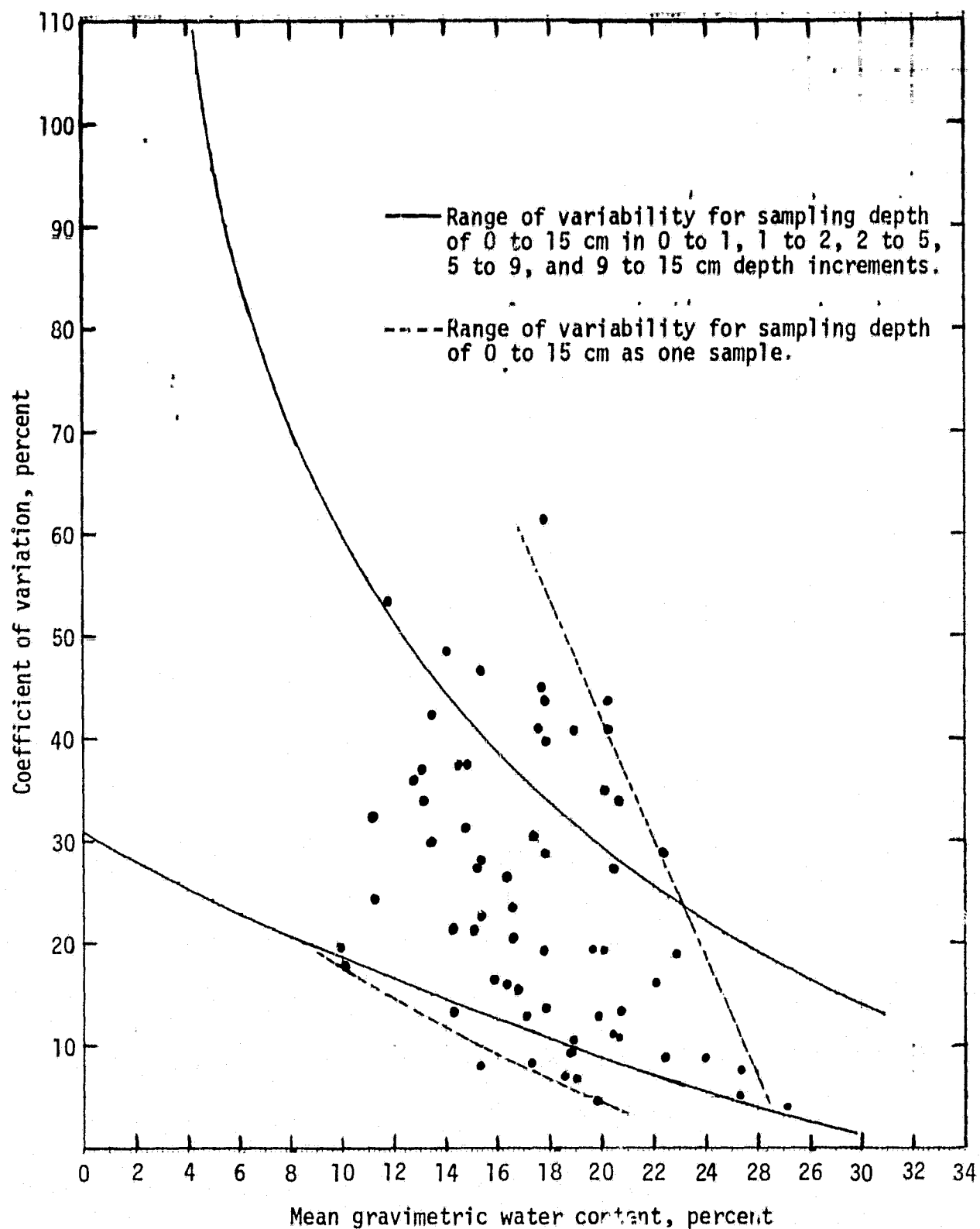


Figure 18.- Effect of sampling depth increment on observed variability in water content in fallow fields, Colby, Kansas.

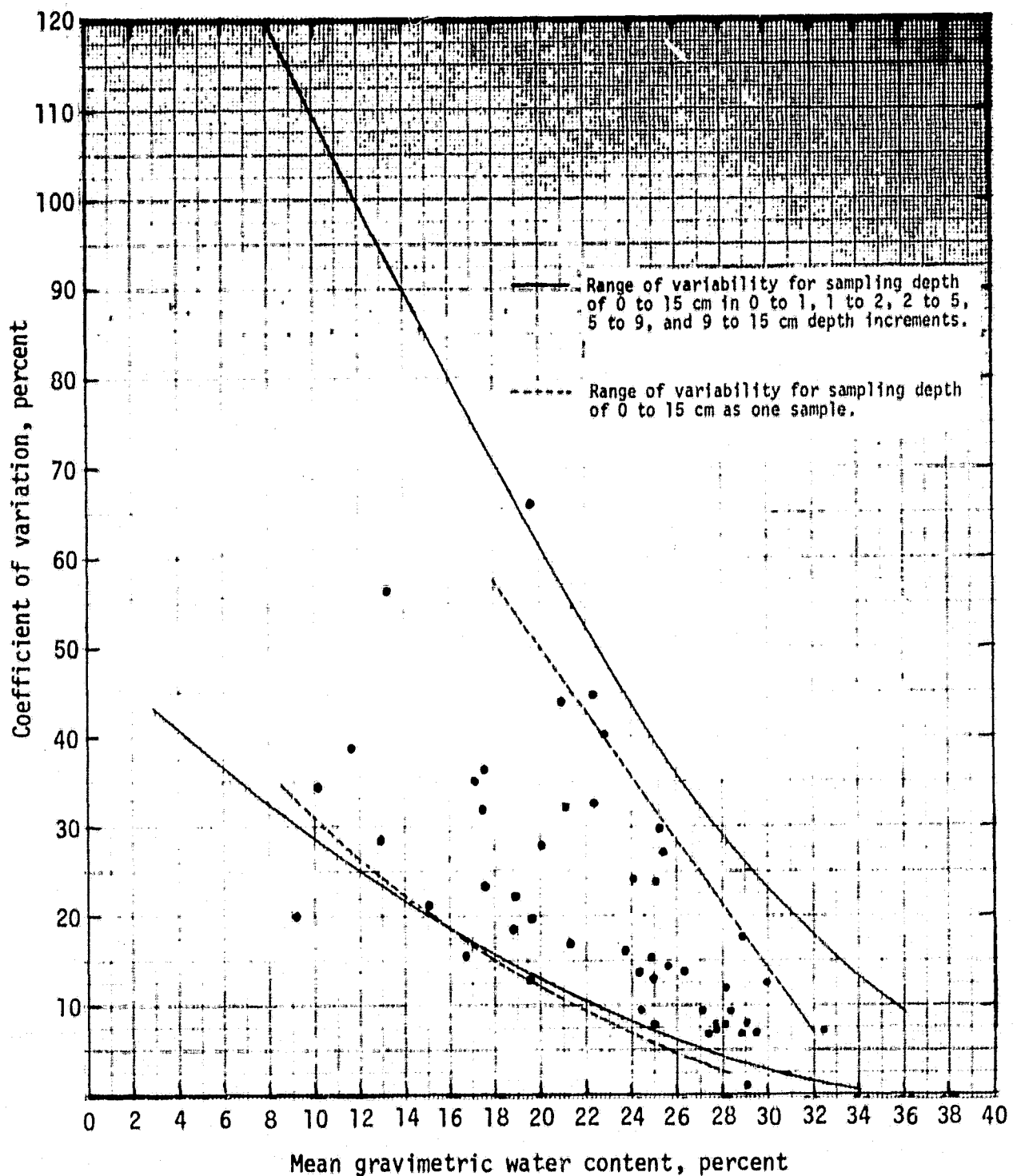


Figure 19.- Effect of sampling depth increment on observed variability in water content in irrigated corn fields, Colby, Kansas.

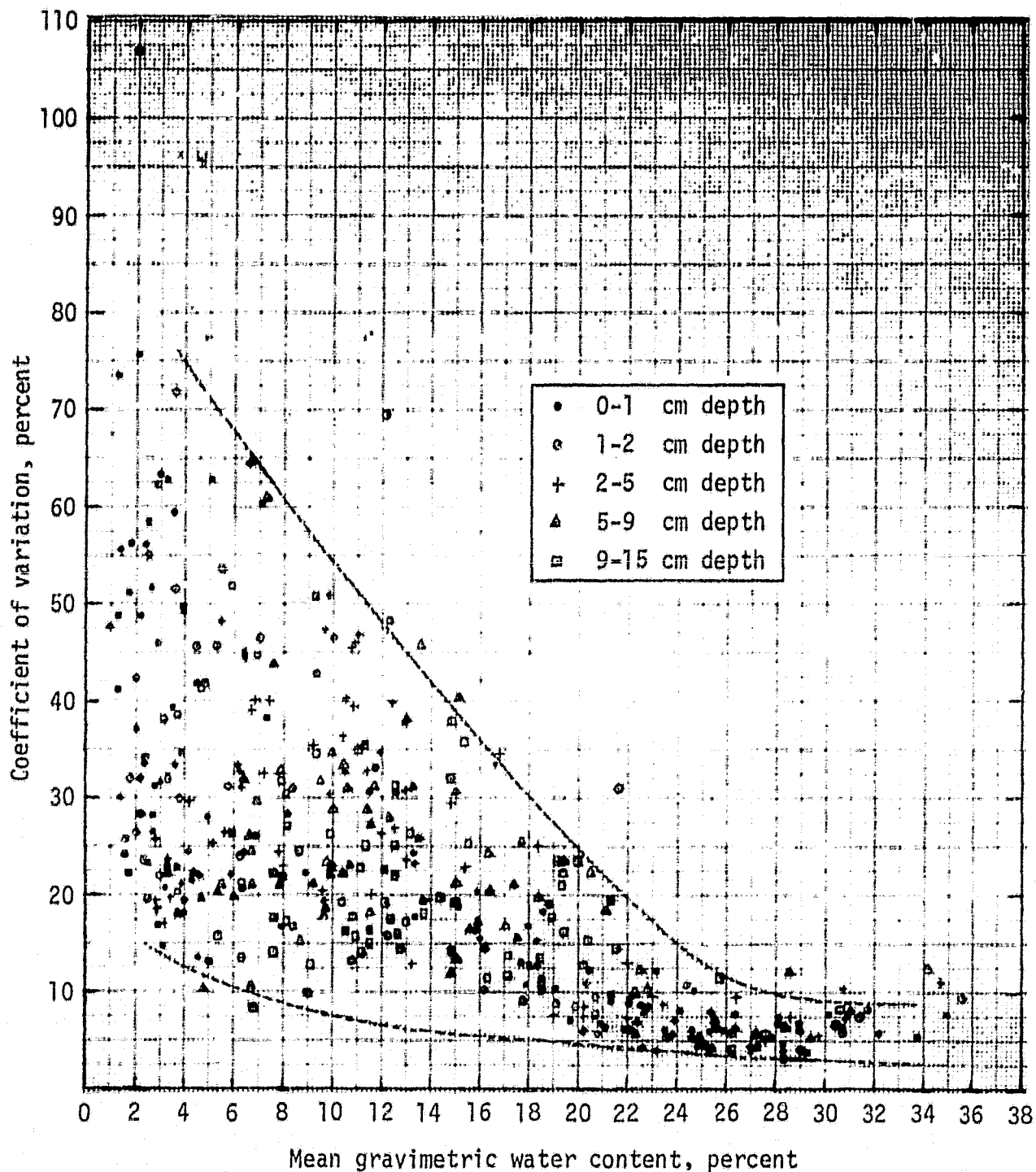


Figure 20.- Variability in water content measurements of wheat stubble fields after eliminating data that are flagged "F" and "S" in appendix A. (The upper and lower limits are drawn subjectively.)

5. CONCLUSIONS

The 1978 Colby soil moisture measurements show variabilities characteristic of most field soils. Variations in texture, structure, microrelief, depth and degree of tillage, cover and its distribution patterns, activity of vegetation, water application patterns, and wetting-drying history contribute to variable moisture patterns. Since most of these factors vary from field to field and from time to time, each moisture pattern should be treated uniquely.

Important features of the Colby data are:

- a. Moisture distributions for a majority of measurements appear to deviate from the normal distribution and show varying degrees of skewness. Bimodal distributions appear to exist for some measurements.
- b. Spatial distributions for some of the data sets suggest existence of distinctly separate areas of low and high wetness, particularly in irrigated corn fields and those nonirrigated fields adjacent to irrigated ones. In such cases, a mean moisture content may not adequately represent the field moisture regime; subdivision of fields into relatively uniform areas may be more desirable.
- c. The observed variability in moisture measurements shows a strong dependence on the degree of wetness. Measurements appear most variable at low moisture contents and least variable at high moisture contents. When a number of fields under the same cultural treatment are considered, a range of variability appears to be associated with any given moisture content. This range narrows with increasing wetness and appears to exhibit distinctly traceable upper and lower limits of variability.
- d. The observed variability also appears to depend on the sampling depth increments. Samples obtained in 0 to 1, 1 to 2, 2 to 5, 5 to 9, and 9 to 15 centimeters depth increments show a much wider range of moisture contents than do samples obtained in 0 to 15, 15 to 30, and 30 to 45 centimeters depth increments. The range of coefficient of variation for large sampling depth increments appears to be wider than for samplings in small depth increments.

- e. The cultural treatment of fields appears to have a distinct influence on the observed soil moisture variability. The order of variability for Colby fields appears to be: irrigated corn > milo > fallow > wheat stubble > pasture.
- f. Extraneous soil moisture values occur in some of the data sets. Their elimination may be useful.

APPENDIX A
GRAVIMETRIC SOIL MOISTURE OBSERVATIONS

SOIL MOISTURE DATA: 1978 CULHY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199. FIELD NUMBER 2. CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	19.0	19.0	18.1	17.9	17.8	20.3	0.0	0.0
12	22.0	23.0	23.5	0.0	0.0	0.0	0.0	0.0
13	17.5	16.0	17.7	18.6	21.3	0.0	0.0	0.0
14	20.4	21.0	21.2	0.0	0.0	0.0	0.0	0.0
15	21.4	23.2	24.2	18.8	25.1	0.0	0.0	0.0
16	3.2	5.05	10.3	0.0	0.0	0.0	0.0	0.0
17	14.6	13.0	14.3	17.0	20.4	21.7	15.7	16.4
18	19.7	20.3	20.5	20.4	19.7	0.0	0.0	0.0
19	20.2	21.7	21.0	21.5	21.0	19.7	22.3	20.4
20	17.7	24.3	25.4	0.0	0.0	0.0	0.0	0.0
21	11.1	12.7	13.8	13.4	13.55	0.0	0.0	0.0
22	19.4	53.4	17.8	17.8	17.1	0.0	0.0	0.0
23	11.5	12.1	20.4	21.3	14.5	16.7	17.4	8.2A
24	5.2	4.0	13.3	13.2	20.3	0.0	0.0	0.0
25	11.3	17.2	19.3	22.9	25.4	0.0	0.0	0.0
26	0.0	20.8	20.8	0.0	0.0	0.0	0.0	0.0
27	10.1	14.0	13.5	19.3	14.7	22.5	14.1	22.7
28	9.5	17.2	21.9	22.8	22.4	0.0	0.0	0.0
29	0.0	0.8	19.8	18.8	9.2F	16.6	0.0	16.5
30	7.9	13.9	19.6	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	YES	NO	NO	NO	NO	SKEW	NO	NO

FIRST ITERATION

MODE	13.20	18.75	19.70	18.80	20.05	20.00	18.25	16.50
MEAN	14.22	17.99	19.10	19.18	19.58	19.58	18.88	16.90
NOBS	18.00	20.00	20.00	14.00	14.00	6.00	4.00	5.00
SD	5.90	9.71	3.70	2.54	2.28	2.48	2.50	5.56
CV	41.51	51.11	20.19	13.25	21.87	12.66	13.22	32.92

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	13.20	18.60	19.60	18.80	19.70	20.00	18.25	16.50
MEAN	14.22	17.18	19.57	19.64	20.38	19.58	18.88	16.90
NOBS	18.00	14.00	19.00	13.00	13.00	6.00	4.00	5.00
SD	5.90	5.50	3.34	1.95	3.19	2.48	2.50	5.56
CV	41.51	31.99	17.08	9.91	15.66	12.66	13.22	32.92

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	13.20	18.30	19.60	18.80	19.70	20.00	18.25	16.50
MEAN	14.22	17.00	19.57	19.64	20.92	19.58	18.88	16.90
NOBS	18.00	18.00	19.00	13.00	12.00	6.00	4.00	5.00
SD	5.90	4.92	3.34	1.95	2.62	2.48	2.50	5.56
CV	41.51	27.65	17.08	9.91	12.53	12.66	13.22	32.92

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	7.3	14.4	15.4	18.5	18.8	16.2	0.0	0.0
12	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0
13	4.3	35.35	33.5	33.4	31.3	0.0	0.0	0.0
14	29.5	28.1	28.4	0.0	0.0	0.0	0.0	0.0
15	31.4	26.1	24.6	26.6	27.1	25.0	0.0	0.0
16	15.8	18.9	15.3	0.0	0.0	0.0	0.0	0.0
17	0.0	25.5	18.3	11.8A	13.6	12.1	12.4	12.4
18	30.6	31.9	32.0	32.4	26.7	26.0	24.0	0.0
19	21.0	11.8	31.9	30.4	30.7	24.8	24.0A	13.7
20	27.9	28.1	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	10.4	18.9	22.9	0.0	0.0	0.0	0.0	0.0
28	13.5	18.9	19.8	18.5	17.7	16.0	15.3	14.1
29	0.0	20.2	23.3	23.2	20.1	0.0	0.0	0.0
30	0.0	0.0	25.8	27.0	27.1	20.0	15.6	3.4A
31	17.0	22.2	23.0	0.0	0.0	0.0	0.0	0.0
32	12.4	21.3	23.4	23.2	24.6	21.7	0.0	0.0
33	13.3	54.3F	20.0	0.0	0.0	0.0	0.0	0.0
34	10.2	15.8	20.8	21.7	21.7	0.0	0.0	0.0
35	10.1	19.5	20.3	0.0	0.0	0.0	0.0	0.0
36	13.7	19.5	20.7	21.6	20.7	20.1	0.0	0.0
37	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	30.5	26.0	0.0	0.0	0.0	0.0	0.0	0.0
39	33.4	33.3	0.0	0.0	0.0	0.0	0.0	0.0
40	14.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0
41	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	4.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0
43	10.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0
44	7.2	7.05	0.0	0.0	0.0	0.0	0.0	0.0
45	28.3	26.2	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	14.2	21.1	0.0	0.0	0.0	0.0	0.0	0.0
	SKW	NO	NO	NO	NO	NO	SKW	SKW

FIRST ITERATION

MODE	14.00	20.40	23.10	23.20	23.15	20.05	15.45	13.30
MEAN	17.61	22.41	23.34	24.15	22.17	20.11	16.95	11.15
NOHS	27.00	27.00	18.00	12.00	12.00	8.00	4.00	4.00
SU	9.56	9.65	5.55	6.48	7.36	5.56	4.85	4.86
CV	54.24	42.17	23.76	26.84	33.21	27.66	28.63	43.58

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	14.00	20.30	23.10	23.20	21.70	20.05	15.45	13.30
MEAN	17.61	21.55	23.34	24.15	23.64	20.11	16.95	11.15
NOHS	27.00	26.00	18.00	12.00	11.00	8.00	4.00	4.00
SU	9.56	6.71	5.55	6.48	5.61	5.56	4.85	4.86
CV	54.24	31.13	23.76	26.84	23.73	27.66	28.63	43.58

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	14.00	19.85	23.10	23.20	21.70	20.05	15.45	13.30
MEAN	17.61	21.55	23.34	24.15	23.64	20.11	16.95	11.15
NOHS	27.00	24.00	18.00	12.00	11.00	8.00	4.00	4.00
SU	9.56	5.81	5.55	6.48	5.61	5.56	4.85	4.86
CV	54.24	26.00	23.76	26.84	23.73	27.66	28.63	43.58

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 4, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.7	2.3	3.4	5.4	9.2	8.6	0.0	0.0
12	1.5	2.1	3.7	0.0	0.0	0.0	0.0	0.0
13	2.0	3.3	4.6	0.4	8.1	0.0	0.0	0.0
14	1.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
15	2.3	2.9	3.3	5.6	7.5	0.6	0.0	0.0
16	1.6	2.1	3.2	0.0	0.0	0.0	0.0	0.0
17	1.3	2.1	3.3	7.5	11.3	5.6	10.5	10.4
18	1.6	2.6	4.1	0.7	10.4	0.0	0.0	0.0
19	1.5	1.8	2.7	4.0	5.3	7.0	11.1	11.4
20	1.5	1.4	2.4	0.0	0.0	0.0	0.0	0.0
21	1.4	2.3	3.3	5.3	8.0	0.0	0.0	0.0
22	1.2	2.7	4.2	5.5	9.4	0.0	0.0	0.0
23	1.4	2.3	3.4	5.5	9.2	5.5	11.4	7.3
24	1.7	2.0	3.2	3.5	4.6	0.0	0.0	0.0
25	1.1	2.7	3.4	4.6	7.1	0.0	0.0	0.0
26	2.2	3.1	5.0	0.0	0.0	0.0	0.0	0.0
27	2.2	3.1	5.5	10.5	12.4	5.5	11.9	0.0
28	1.4	2.1	3.8	5.7	14.2	0.0	0.0	0.0
29	2.1	3.1	4.2	7.3	10.4	11.0	14.4	12.3
30	3.4	3.5	4.4	0.0	0.0	0.0	0.0	0.0
31	1.4	2.4	3.4	5.2	10.5	4.4	0.0	0.0
32	2.8	3.5	5.2	0.0	0.0	0.0	0.0	0.0
33	2.6	3.1	5.3	0.7	11.1	0.0	0.0	0.0
34	2.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
35	2.0	0.0	0.0	4.0	5.8	10.5	0.0	0.0
36	1.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
39	2.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40	2.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42	2.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0
43	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
44	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45	1.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
BIOMODAL	NO	NO	NO	SKEW	NO	NO	NO	NO

FIRST ITERATION								
MODE	1.40	2.40	3.85	5.60	9.20	7.00	11.40	11.15
MEAN	1.85	2.74	4.00	6.05	8.62	7.70	11.86	10.47
NOBS	35.00	34.00	24.00	17.00	17.00	9.00	5.00	4.00
SD	0.52	1.32	0.47	1.88	2.11	2.29	1.51	2.27
CV	27.11	48.22	23.44	31.07	24.51	29.74	12.71	21.66

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	1.90	2.40	3.80	5.55	9.20	7.00	11.40	11.15
MEAN	1.81	2.53	3.98	5.77	8.62	7.70	11.86	10.47
NOBS	34.00	33.00	23.00	16.00	17.00	9.00	5.00	4.00
SD	0.45	0.53	0.40	1.54	2.11	2.29	1.51	2.27
CV	25.02	20.60	22.52	26.07	24.51	29.74	12.71	21.66

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.85	2.35	3.80	5.50	9.20	7.00	11.40	11.15
MEAN	1.80	2.44	3.40	5.51	8.62	7.70	11.86	10.47
NOBS	32.00	32.00	22.00	15.00	17.00	9.00	5.00	4.00
SD	0.40	0.44	0.82	1.17	2.11	2.29	1.51	2.27
CV	22.12	19.65	21.10	21.21	24.51	29.74	12.71	21.66

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	4.4	5.3	7.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	5.4	6.2	7.5
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 JUL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	4.80	6.20	7.10
MEAN	0.0	0.0	0.0	0.0	0.0	4.59	6.28	6.98
NOBS	0.0	0.0	0.0	0.0	0.0	9.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	0.77	0.61	0.49
CV	0.0	0.0	0.0	0.0	0.0	16.79	9.65	6.97

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	4.80	6.20	7.10
MEAN	0.0	0.0	0.0	0.0	0.0	4.59	6.28	6.98
NOBS	0.0	0.0	0.0	0.0	0.0	9.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	0.77	0.61	0.49
CV	0.0	0.0	0.0	0.0	0.0	16.79	9.65	6.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	4.80	6.20	7.10
MEAN	0.0	0.0	0.0	0.0	0.0	4.59	6.28	6.98
NOBS	0.0	0.0	0.0	0.0	0.0	9.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	0.77	0.61	0.49
CV	0.0	0.0	0.0	0.0	0.0	16.79	9.65	6.97

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.9	2.6	4.1	7.5	18.2	13.5	0.0	0.0
12	2.2	2.3	4.3	0.0	0.0	0.0	0.0	0.0
13	2.0	2.1	3.2	10.1	21.5	0.0	0.0	0.0
14	1.3	1.4	2.3	0.0	0.0	0.0	0.0	0.0
15	1.4	2.3	3.3	5.6	0.0	8.0	0.0	0.0
16	2.4	2.8	4.4	0.0	0.0	0.0	0.0	0.0
17	1.4	2.5	3.2	5.5	14.3	8.8	13.1	18.4
18	1.4	0.0	3.4	11.5	18.1	0.0	0.0	0.0
19	2.0	2.3	3.4	12.2	14.0	12.4	13.4	16.7
20	2.2	2.3	4.6	0.0	0.0	0.0	0.0	0.0
21	1.5	3.0	4.4	14.1	22.0	0.0	0.0	0.0
22	1.7	2.7	5.4	15.6	18.5	0.0	0.0	0.0
23	1.4	2.2	2.4	4.3	10.35	12.4	4.7A	16.0
24	1.4	2.0	4.7	15.1	20.2	0.0	0.0	0.0
25	1.3	1.4	3.3	4.4	13.8	0.0	0.0	0.0
26	0.6	2.4	7.1	0.0	0.0	0.0	0.0	0.0
27	1.0	2.0	2.6	17.2	7.7	6.5	13.3	14.9
28	1.5	2.4	4.8	7.0	20.6	0.0	0.0	0.0
29	0.0	1.7	3.5	6.8	18.0	13.4	10.2	18.7
30	0.9	1.4	1.8	0.0	0.0	0.0	0.0	0.0
31	1.7	2.4	3.5	9.2	14.8	13.7	0.0	0.0
32	2.3	2.4	5.2	0.0	0.0	0.0	0.0	0.0
33	0.4	17.7	0.0	10.8	0.0	0.0	0.0	0.0
34	1.0	3.8	2.3	0.0	0.0	0.0	0.0	0.0
35	1.2	2.2	6.25	8.5	16.4	11.4	0.0	0.0
36	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
38	1.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
39	1.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
40	0.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
41	0.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
42	2.0	3.75	0.0	0.0	0.0	0.0	0.0	0.0
43	1.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
44	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45	0.7	1.35	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	SKEW	NO	NO	SKEW	SKEW	SKEW	NO

FIRST ITERATION

MODE	1.70	2.40	3.90	9.20	18.20	12.40	15.30	16.90
MEAN	1.55	2.48	4.01	9.73	17.25	11.18	13.04	17.08
SUMS	34.00	34.00	24.00	17.00	15.00	9.00	5.00	5.00
SD	0.51	2.87	1.23	4.06	4.10	2.71	4.82	1.72
CV	32.78	90.44	30.66	41.78	23.78	24.26	36.94	10.09

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.70	2.40	3.90	9.20	18.15	12.40	15.30	16.90
MEAN	1.55	2.33	3.87	9.73	17.93	11.18	13.04	17.08
SUMS	34.00	32.00	23.00	17.00	14.00	9.00	5.00	5.00
SD	0.51	0.51	1.06	4.06	3.26	2.71	4.82	1.72
CV	32.78	21.83	27.31	41.78	18.15	24.26	36.94	10.09

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.70	2.40	3.70	9.20	18.10	12.40	15.30	16.90
MEAN	1.55	2.32	3.77	9.73	18.52	11.18	13.04	17.08
SUMS	34.00	30.00	22.00	17.00	13.00	9.00	5.00	5.00
SD	0.51	0.42	0.95	4.06	2.50	2.71	4.82	1.72
CV	32.78	18.07	25.22	41.78	13.52	24.26	36.94	10.09

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 7, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	0.5	1.2	2.4	0.0	0.0	0.2	0.0	0.0
12	0.8	1.4	2.4	0.0	0.0	0.0	0.0	0.0
13	0.9	1.3	2.3	0.0	0.0	0.0	0.0	0.0
14	1.0	2.0	2.7	0.0	0.0	0.0	0.0	0.0
15	1.1	2.2	4.2	0.0	0.0	7.5	0.0	0.0
16	0.8	2.0	4.2	0.0	0.0	0.0	0.0	0.0
17	1.3	2.7	4.0	0.0	0.0	7.7	11.4	4.4
18	1.3	2.0	3.6	0.0	0.0	0.0	0.0	0.0
19	1.3	2.3	4.1	0.0	0.0	0.0	7.3	7.1
20	1.3	2.4	4.4	0.0	0.0	0.0	0.0	0.0
21	1.4	2.4	3.3	0.0	0.0	0.0	0.0	0.0
22	1.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0
23	1.5	1.1	3.0	0.0	0.0	4.3	8.7	7.1
24	1.4	1.1	3.1	0.0	0.0	0.0	0.0	0.0
25	1.4	2.0	2.4	0.0	0.0	0.0	0.0	0.0
26	1.7	1.7	3.7	0.0	0.0	0.0	0.0	0.0
27	0.7	2.1	3.2	0.0	0.0	2.3	11.3	11.1
28	1.6	0.0	4.1	5.8	8.3	0.0	0.0	0.0
29	0.6	0.0	3.5	4.7	7.4	15.9F	10.7	8.4
30	1.2	2.0	4.2	0.0	0.0	0.0	0.0	0.0
31	1.1	2.1	3.1	4.6	6.4	7.2	0.0	0.0
32	1.1	2.0	3.4	0.0	0.0	0.0	0.0	0.0
33	1.4	2.6	2.4	4.4	12.3A	0.0	0.0	0.0
34	1.0	1.0	3.1	0.0	0.0	0.0	0.0	0.0
35	1.3	2.0	3.1	4.0	6.1	4.9	0.0	0.0
36	2.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0
37	2.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0
38	2.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	1.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
43	2.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
44	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	NO	NO	NO	5.8	5.8	NO	5.8	5.8

FIRST ITERATION								
MODE	1.30	2.30	3.40	4.65	7.50	6.40	10.70	8.40
MEAN	1.37	2.63	3.36	4.83	8.10	6.82	10.02	8.68
NO-45	32.00	31.00	25.00	6.00	6.00	6.00	5.00	5.00
SD	0.54	0.64	0.67	0.50	2.18	3.83	1.85	1.77
CV	43.34	24.10	19.82	10.36	26.97	56.00	18.49	20.37

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	1.25	2.30	3.40	4.65	7.50	5.80	10.70	8.40
MEAN	1.32	2.26	3.36	4.83	8.10	5.69	10.02	8.68
NO-45	32.00	31.00	25.00	6.00	6.00	6.00	5.00	5.00
SD	0.54	0.64	0.67	0.50	2.18	1.87	1.85	1.77
CV	41.07	28.26	19.82	10.36	26.97	32.82	18.49	20.37

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.25	2.30	3.40	4.65	7.50	5.80	10.70	8.40
MEAN	1.32	2.27	3.36	4.83	8.10	5.69	10.02	8.68
NO-45	32.00	24.00	25.00	6.00	6.00	6.00	5.00	5.00
SD	0.54	0.53	0.67	0.50	2.18	1.87	1.85	1.77
CV	41.07	23.57	19.82	10.36	26.97	32.82	18.49	20.37

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	3.2	4.2	5.2	7.5	8.3	7.7	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	2.2	3.3	3.0	6.7	7.3	6.8	0.0	0.0
30	1.2	2.1	3.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	3.2	4.0	4.2	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	SKEW	SKEW	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	3.00	3.75	4.60	7.10	8.05	7.15	0.0	0.0
MEAN	2.75	3.45	4.60	7.10	8.05	7.15	0.0	0.0
NOBS	4.00	4.00	4.00	2.00	2.00	2.00	0.0	0.0
SD	1.11	0.95	1.35	0.57	0.35	0.75	0.0	0.0
CV	40.44	27.45	29.27	7.97	4.40	10.68	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.00	3.75	4.60	7.10	8.05	7.15	0.0	0.0
MEAN	2.75	3.45	4.60	7.10	8.05	7.15	0.0	0.0
NOBS	4.00	4.00	4.00	2.00	2.00	2.00	0.0	0.0
SD	1.11	0.95	1.35	0.57	0.35	0.75	0.0	0.0
CV	40.44	27.45	29.27	7.97	4.40	10.68	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.00	3.75	4.60	7.10	8.05	7.15	0.0	0.0
MEAN	2.75	3.45	4.60	7.10	8.05	7.15	0.0	0.0
NOBS	4.00	4.00	4.00	2.00	2.00	2.00	0.0	0.0
SD	1.11	0.95	1.35	0.57	0.35	0.75	0.0	0.0
CV	40.44	27.45	29.27	7.97	4.40	10.68	0.0	0.0

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 9, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	15-30	30-45
11	22.00	22.4	5.7	18.5	10.7	17.6	0.00
12	22.5	22.8	3.0	0.0	0.0	0.0	0.00
13	22.3	22.4	0.0	4.1	20.4	0.0	0.00
14	22.3	22.4	2.1	0.0	0.0	0.0	0.00
15	22.8	22.3	4.2	12.6	19.1	0.0	0.00
16	22.6	22.6	3.4	0.0	0.0	0.0	0.00
17	22.4	22.6	12.6	11.0	12.2	10.4	17.0
18	22.6	22.4	3.4	4.8	9.3	0.0	0.00
19	22.5	22.4	2.5	8.8	16.8	11.3	20.3
20	22.0	22.1	2.0	0.0	0.0	0.0	0.00
21	22.6	22.3	7.7	13.3	19.3	0.0	0.00
22	22.0	22.4	5.8	18.2	17.0	0.0	0.00
23	22.4	22.4	7.7	7.0	12.1	12.5	18.2
24	22.0	22.0	4.0	13.3	17.0	0.0	0.00
25	22.0	22.0	3.0	15.0	12.6	0.0	0.00
26	22.2	22.1	3.2	10.0	0.0	0.0	0.00
27	22.2	22.1	15.0	15.8	20.1	17.2	0.0
28	22.7	22.3	11.0	16.1	16.4	0.0	0.00
29	22.3	22.3	3.0	10.0	19.3	18.2	22.1
30	22.3	22.2	3.0	0.0	0.0	0.0	0.00
31	22.9	22.2	3.0	15.8	20.9	13.4	0.0
32	22.0	22.0	3.2	0.0	0.0	0.0	0.00
33	22.7	22.4	3.3	3.3	10.3	0.0	0.00
34	22.0	22.3	2.9	0.0	0.0	0.0	0.00
35	22.1	22.4	0.0	13.4	14.2	10.4	0.0
36	22.1	22.4	0.0	0.0	0.0	0.0	0.00
37	22.1	22.4	0.0	0.0	0.0	0.0	0.00
38	22.4	22.4	0.0	0.0	0.0	0.0	0.00
39	22.4	22.3	0.0	0.0	0.0	0.0	0.00
40	22.3	22.3	0.0	0.0	0.0	0.0	0.00
41	22.1	22.3	0.0	0.0	0.0	0.0	0.00
42	22.7	22.1	0.0	0.0	0.0	0.0	0.00
43	22.8	22.1	0.0	0.0	0.0	0.0	0.00
44	22.7	22.1	0.0	0.0	0.0	0.0	0.00
45	22.4	22.3	0.0	0.0	0.0	0.0	0.00
MODAL	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION							
MODE	1.70	2.10	3.80	13.20	17.00	12.50	17.90
MEAN	1.70	2.51	4.97	11.38	16.07	13.19	15.46
NOBS	32.00	35.00	24.00	17.00	17.00	9.00	5.00
SD	0.77	1.53	2.85	5.46	4.00	4.44	3.54
CV	45.45	61.13	57.24	47.98	24.88	34.01	42.92

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION							
MODE	1.60	2.10	3.80	13.20	17.00	12.50	17.90
MEAN	1.64	2.22	4.35	11.38	16.07	13.19	15.46
NOBS	34.00	33.00	22.00	17.00	17.00	9.00	5.00
SD	0.71	0.95	1.98	5.46	4.00	4.49	3.64
CV	43.12	42.74	45.50	47.98	24.88	34.01	42.92

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL							
MODE	1.60	2.00	3.80	13.20	17.00	12.50	17.90
MEAN	1.64	2.12	4.35	11.38	16.07	13.19	15.46
NOBS	34.00	32.00	22.00	17.00	17.00	9.00	5.00
SD	0.71	0.77	1.98	5.46	4.00	4.44	3.64
CV	43.12	36.55	45.50	47.98	24.88	34.01	42.92

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.4F	4.0S	6.8F	7.6F	5.6	5.0	0.0	0.0
12	2.3	2.0	3.3	0.0	0.0	0.0	0.0	0.0
13	1.4	1.8	0.1	0.0	4.9	0.0	0.0	0.0
14	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.4	2.9	3.4	0.0S	8.0F	5.9	0.0	0.0
16	0.0	1.5	3.4	0.0	0.0	0.0	0.0	0.0
17	1.8	2.9	2.7	0.0	0.0	7.0	0.0	0.0
18	1.3	1.0	2.0	4.0	2.2	0.0	0.0	0.0
19	0.1F	1.0	1.9	2.0	3.7	5.2	0.0	0.0
20	1.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0
21	1.2	1.4	3.0	0.0	0.0	0.0	0.0	0.0
22	1.2	2.0	3.0	2.8	7.0	0.0	0.0	0.0
23	2.6S	2.2	3.0	2.4	5.3	5.0	0.0	0.0
24	1.1	1.0	0.0	2.6	5.2	0.0	0.0	0.0
25	1.3	1.9	0.0	2.2	4.1	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.8	1.1	2.6	3.4	5.2	6.5	0.0	0.0
28	1.0	1.5	2.2	3.0	5.8	0.0	0.0	0.0
29	0.7	1.5	2.4S	3.0	5.4	5.0	0.0	0.0
30	1.5	2.4	1.4S	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
37	1.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0
38	1.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
39	1.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
40	1.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
41	2.4	7.2F	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0
45	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION:

MODE	1.30	1.90	3.00	3.60	5.30	5.90	0.0	0.0
MEAN	1.44	2.26	3.00	3.84	5.59	5.84	0.0	0.0
NOBS	27.00	26.00	17.00	13.00	13.00	7.00	0.0	0.0
SD	0.65	1.17	1.15	1.56	1.04	0.72	0.0	0.0
CV	44.10	52.04	37.54	40.11	19.50	12.30	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.30	1.90	3.00	3.40	5.25	5.90	0.0	0.0
MEAN	1.46	2.06	2.82	3.58	5.39	5.84	0.0	0.0
NOBS	25.00	25.00	16.00	12.00	12.00	7.00	0.0	0.0
SD	0.48	0.65	0.64	1.14	0.85	0.72	0.0	0.0
CV	32.87	31.62	22.81	31.88	15.81	12.30	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.30	1.85	3.00	3.20	5.25	5.90	0.0	0.0
MEAN	1.42	1.98	2.92	3.33	5.39	5.84	0.0	0.0
NOBS	24.00	24.00	15.00	11.00	12.00	7.00	0.0	0.0
SD	0.43	0.52	0.54	0.76	0.85	0.72	0.0	0.0
CV	30.21	26.36	18.45	22.70	15.81	12.30	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1974 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH INTERVAL, CM.							
	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.7	1.3	3.2	5.4	11.1	6.1	0.0	0.0
12	1.7	0.4	2.5	0.0	0.0	0.0	0.0	0.0
13	0.7	0.4	2.5	4.3	13.1	0.0	0.0	0.0
14	0.5	0.1	2.6	0.0	0.0	0.0	0.0	0.0
15	0.4	1.4	2.7	7.4	11.6	7.6	0.0	0.0
16	0.6	0.7	3.2	0.0	0.0	0.0	0.0	0.0
17	0.3	0.3	2.6	0.0	13.0	10.3	13.4	15.3
18	0.5	0.7	2.3	5.4	9.5	0.0	0.0	0.0
19	1.1	3.2	3.8	4.6	4.1	0.0	3.3	0.0
20	0.1	1.4	2.6	0.0	0.0	0.0	0.0	0.0
21	1.2	0.4	2.5	5.2	10.0	0.0	0.0	0.0
22	0.5	1.3	3.0	5.1	11.1	0.0	0.0	0.0
23	1.4	1.7	2.2	4.0	7.5	0.1	15.5	14.5
24	0.3	2.3	3.2	4.4	12.1	0.0	0.0	0.0
25	1.5	1.8	3.8	4.9	8.7	0.0	0.0	0.0
26	1.6	2.7	3.7	0.0	0.0	0.0	0.0	0.0
27	2.2	2.1	3.0	5.0	9.4	6.3	4.2	14.5
28	1.8	2.0	3.3	5.7	10.8	0.0	0.0	0.0
29	2.7	2.7	4.4	8.1	13.0	14.5	14.2	12.1
30	2.2	2.2	3.5	0.0	0.0	0.0	0.0	0.0
31	2.5	3.0	3.0	5.4	2.2	5.1	0.0	0.0
32	2.2	3.0	3.4	0.0	0.0	0.0	0.0	0.0
33	2.5	3.3	4.3	5.1	11.4	0.0	0.0	0.0
34	2.3	3.4	4.4	0.0	0.0	0.0	0.0	0.0
35	2.7	3.0	4.9	11.0	14.4	11.4	0.0	0.0
36	1.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0
37	1.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
38	1.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0
39	1.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
40	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
41	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
44	1.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
45	0.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	SKEW	NO	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	1.30	2.00	3.20	5.30	11.10	6.30	13.40	14.55
MEAN	1.34	1.47	3.33	5.67	10.82	8.16	12.15	14.12
NUMS	33.00	33.00	24.00	15.00	17.00	9.00	5.00	4.00
SD	0.77	0.83	0.84	1.94	1.94	3.19	3.12	1.40
CV	55.92	45.92	24.54	33.17	17.90	39.15	25.68	9.88

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.30	2.00	3.20	5.20	11.10	6.30	13.40	14.55
MEAN	1.38	1.47	3.33	5.67	10.82	8.16	12.16	14.12
NUMS	33.00	33.00	23.00	15.00	17.00	9.00	5.00	4.00
SD	0.77	0.83	0.84	1.53	1.94	3.19	3.12	1.40
CV	55.92	42.21	20.75	20.99	17.90	39.15	25.68	9.88

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.30	2.00	3.20	5.15	11.10	6.30	13.40	14.55
MEAN	1.34	1.47	3.25	5.39	10.82	8.16	12.15	14.12
NUMS	33.00	33.00	22.00	14.00	17.00	9.00	5.00	4.00
SD	0.77	0.83	0.81	1.12	1.94	3.19	3.12	1.40
CV	55.92	42.21	18.84	20.71	17.90	39.15	25.68	9.88

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.3	3.3	5.9	14.2	19.1	14.8	0.0	0.0
12	3.3	3.2	5.6	10.0	0.0	0.0	0.0	0.0
13	2.3	11.25	14.5	14.8	20.9	0.0	0.0	0.0
14	3.3	3.0	6.4	0.0	0.0	0.0	0.0	0.0
15	3.3	4.55	17.65	22.7	22.3	14.9	0.0	0.0
16	2.3	1.8	4.0	0.0	0.0	0.0	0.0	0.0
17	1.1	2.4	3.7	16.8	22.8	17.1	15.3	16.2
18	3.45	3.2	6.0	15.8	20.2	0.0	0.0	0.0
19	2.7	2.3	6.6	11.5	17.3	10.8	17.2	17.0
20	2.1	4.3	3.0	0.0	0.0	0.0	0.0	0.0
21	1.9	3.1	3.1	10.0	18.7	0.0	0.0	0.0
22	1.9	2.6	4.4	11.7	22.1	0.0	0.0	0.0
23	2.3	2.4	3.4	13.9	21.0	16.3	18.6	10.9
24	2.4	3.7	6.3	12.5	17.8	0.0	0.0	0.0
25	3.2	0.5	11.7	17.1	18.8	0.0	0.0	0.0
26	4.2	4.0	11.8	0.0	0.0	0.0	0.0	0.0
27	1.8	2.0	2.3	4.0	14.2	5.8	18.4	17.7
28	1.8	2.4	4.9	11.0	19.1	0.0	0.0	0.0
29	2.2	2.8	4.6	12.4	15.6	9.3	13.1	13.1
30	10.4	10.15	13.7	0.0	0.0	0.0	0.0	0.0
31	2.3	3.3	7.9	13.7	23.0	15.5	0.0	0.0
32	3.45	13.4	15.5	0.0	0.0	0.0	0.0	0.0
33	1.4	2.7	4.9	11.3	20.4	0.0	0.0	0.0
34	3.3	5.0	19.0	0.0	0.0	0.0	0.0	0.0
35	11.2	6.3	8.1	21.4	22.6	13.1	0.0	0.0
36	4.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
37	1.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
38	2.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
39	3.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0
40	3.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0
41	2.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0
42	3.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0
43	3.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0
44	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0
45	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	SKEW	SKEW	SKEW	NO	NO	SKEW	NO	SKEW

FIRST ITERATION

MODE	2.20	3.20	5.60	13.70	20.20	14.90	17.20	16.20
MEAN	3.34	4.55	4.30	14.40	20.73	13.51	16.62	14.98
SD	15.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
CV	65.66	75.63	56.53	32.50	10.59	29.88	14.61	19.22

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.60	3.20	5.45	13.30	19.70	14.90	17.20	16.20
MEAN	2.84	4.15	7.85	15.05	20.33	13.51	16.62	14.98
SD	33.00	34.00	24.00	16.00	16.00	9.00	5.00	5.00
CV	41.65	60.24	53.70	26.33	9.08	29.88	14.61	19.22

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.60	3.10	6.30	13.30	19.70	14.90	17.20	16.20
MEAN	2.60	3.55	7.43	15.05	20.33	13.51	16.62	14.98
SD	31.00	31.00	23.00	16.00	16.00	9.00	5.00	5.00
CV	32.36	46.30	50.52	26.33	9.08	29.88	14.61	19.22

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.1	2.4	4.6	16.8	20.7	16.6	0.0	0.0
12	1.3	2.6	9.4	0.0	0.0	0.0	0.0	0.0
13	2.2	2.7	5.3	16.0	23.5	0.0	0.0	0.0
14	1.5	2.0	3.7	0.0	0.0	0.0	0.0	0.0
15	1.0	2.0	2.4	7.7	16.0	14.3	0.0	0.0
16	0.2	2.7	11.4	0.0	0.0	0.0	0.0	0.0
17	0.0	2.4	16.3	23.4	23.4	20.4	23.4	19.3
18	1.6	2.4	4.3	12.8	19.5	0.0	0.0	0.0
19	2.1	2.2	4.5	12.7	22.2	11.4	14.1	14.5
20	1.7	2.5	5.7	0.0	0.0	0.0	0.0	0.0
21	0.7	2.0	8.0	17.7	21.2	0.0	0.0	0.0
22	1.1	2.4	6.4	21.0	22.4	0.0	0.0	0.0
23	2.2	1.3	5.9	23.0	0.0	10.4	22.1	16.2
24	0.0	0.0	3.6	10.4	17.4	0.0	0.0	0.0
25	1.3	1.7	3.5	9.4	19.7	0.0	0.0	0.0
26	0.0	2.8	7.0	0.0	0.0	0.0	0.0	0.0
27	1.1	2.4	7.0	16.8	20.6	17.2	20.7	17.0
28	1.8	3.4	6.2	17.5	21.3	0.0	0.0	0.0
29	1.5	3.9	8.7	20.0	21.4	14.6	15.8	17.5
30	1.8	3.6	7.8	0.0	0.0	0.0	0.0	0.0
31	1.5	3.3	4.6	13.4	23.8	20.0	0.0	0.0
32	1.6	3.2	14.6	0.0	0.0	0.0	0.0	0.0
33	0.4	1.7	2.6	6.2	19.9	0.0	0.0	0.0
34	1.4	2.3	9.3	0.0	0.0	0.0	0.0	0.0
35	1.8	2.7	8.3	13.4	20.2	13.5	0.0	0.0
36	2.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
38	0.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0
39	0.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0
40	2.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0
41	1.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
42	1.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	1.60	2.50	6.20	16.00	20.95	14.60	20.70	17.50
MEAN	3.35	4.04	6.84	15.19	21.13	15.38	20.22	17.90
NOBS	30.00	33.00	25.00	17.00	16.00	9.00	5.00	5.00
SD	4.46	7.53	3.46	5.09	1.67	3.49	2.94	1.45
CV	251.61	183.80	50.50	33.51	7.90	22.68	14.56	8.09

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	1.60	2.50	5.90	16.00	20.95	14.60	20.70	17.50
MEAN	1.86	2.80	6.10	15.19	21.13	15.38	20.22	17.90
NOBS	29.00	32.00	23.00	17.00	16.00	9.00	5.00	5.00
SD	2.33	1.20	2.38	5.09	1.67	3.49	2.94	1.45
CV	124.14	42.90	39.09	33.51	7.90	22.68	14.56	8.09

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.55	2.50	5.80	16.00	20.95	14.60	20.70	17.50
MEAN	1.45	2.63	5.85	15.19	21.13	15.38	20.22	17.90
NOBS	28.00	31.00	22.00	17.00	16.00	9.00	5.00	5.00
SD	0.51	0.75	2.13	5.09	1.67	3.49	2.94	1.45
CV	35.10	28.59	36.42	33.51	7.90	22.68	14.56	8.09

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	1.9	2.4	3.3	4.7	7.3	5.9	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2.1	3.2	4.8	5.2	4.7	0.0	0.0	0.0
14	4.0	2.5	3.3	0.0	0.0	0.0	0.0	0.0
15	1.4	2.1	1.9	2.0F	4.7	5.4	0.0	0.0
16	0.0	2.4	2.3	0.0	0.0	0.0	0.0	0.0
17	1.8	2.2	5.7	0.0	6.3	4.3F	7.0	7.0
18	2.4	1.0	2.8	2.8	6.3	0.0	0.0	0.0
19	1.7	1.8	2.2	0.0	5.5	5.7	7.5	5.7
20	2.5	3.1	3.6	0.0	0.0	0.0	0.0	0.0
21	4.6	3.9	4.8	4.5	6.0	0.0	0.0	0.0
22	3.8	3.8	20.7F	5.4	6.2	0.0	0.0	0.0
23	1.4	3.0	0.0	5.7	7.7	6.2	7.5	8.2
24	3.2	2.2	2.4	4.7	4.4	0.0	0.0	0.0
25	2.3	3.3	3.7	5.1	6.4	0.0	0.0	0.0
26	4.7	4.1	4.0	0.0	0.0	0.0	0.0	0.0
27	2.4	3.2	4.7	5.8	6.8	6.5	7.6	17.2 A
28	3.1	12.1F	4.3	5.5	5.1	0.0	0.0	0.0
29	3.7	4.6	3.0	3.8	6.9	6.0	8.2	9.2
30	2.6	3.3	3.8	0.0	0.0	0.0	0.0	0.0
31	1.7	2.4	3.6	4.3	7.0	6.5	0.0	0.0
32	3.3	0.2	3.4	0.0	0.0	0.0	0.0	0.0
33	5.0	3.1	0.0	4.3	5.2	0.0	0.0	0.0
34	2.7	0.4	5.3	0.0	0.0	0.0	0.0	0.0
35	3.1	2.8	3.9	4.5	4.5	5.3	0.0	0.0
36	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
39	3.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0
40	3.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0
41	1.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0
42	5.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
43	9.9F	3.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	3.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	SKEW	NO	NO	SKEW

FIRST ITERATION

MODE	3.00	3.00	3.75	4.70	6.20	5.90	7.50	8.20
MEAN	3.15	3.27	4.45	4.66	5.97	5.76	7.56	9.64
NOHS	33.00	34.00	22.00	17.00	17.00	9.00	5.00	5.00
SD	1.60	2.02	3.81	1.10	1.00	0.69	0.43	4.42
CV	50.76	61.80	85.63	23.62	16.71	12.04	5.66	45.80

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.85	3.00	3.70	4.60	6.20	5.80	7.50	8.20
MEAN	2.94	3.01	3.68	4.83	5.97	5.94	7.56	9.64
NOHS	32.00	33.00	21.00	16.00	17.00	8.00	5.00	5.00
SD	1.06	1.31	1.21	0.89	1.00	0.46	0.43	4.42
CV	36.04	43.53	32.77	18.42	16.71	7.69	5.66	45.80

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.70	2.80	3.65	4.50	6.20	5.80	7.50	8.20
MEAN	2.87	2.97	3.82	4.97	5.97	5.94	7.56	9.64
NOHS	31.00	31.00	20.00	15.00	17.00	8.00	5.00	5.00
SD	1.00	1.03	1.04	0.73	1.00	0.46	0.43	4.42
CV	34.82	34.61	27.08	14.71	16.71	7.69	5.66	45.80

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 19, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.0	10.7	12.6	11.4	12.5	7.5	0.0	0.0
12	5.3	13.2	12.7	0.0	0.0	0.0	0.0	0.0
13	2.4	6.5	8.6	7.7	9.5	9.7	0.0	0.0
14	3.4	12.2	14.1	0.0	0.0	0.0	0.0	0.0
15	2.7	7.7	10.7	12.9	10.5	9.6	0.0	0.0
16	2.8	4.7	8.3	0.0	0.0	0.0	0.0	0.0
17	3.4	6.8	10.2	4.4	11.0	9.8	13.4	12.8
18	5.0	11.2	15.0	14.3	15.6	0.0	0.0	0.0
19	3.8	12.5	16.5	15.7	16.9	12.8	17.1	18.2
20	4.0	7.8	8.3	0.0	0.0	0.0	0.0	0.0
21	25.9F	29.35	29.5	27.7	30.1	0.0	0.0	0.0
22	24.65	26.85	27.4	27.1	28.1	0.0	0.0	0.0
23	19.4	24.8	26.6	27.8	29.8	22.8F	24.7	27.9
24	4.7	19.3	24.1	25.0	28.4	0.0	0.0	0.0
25	25.35	25.5	26.9	28.6	28.0	0.0	0.0	0.0
26	1.9	4.5	13.5	0.0	0.0	0.0	0.0	0.0
27	7.2	14.4	22.8	18.4	19.2	12.9	22.8	24.3
28	2.4	4.4	5.1	6.7	9.3	0.0	0.0	0.0
29	1.6	3.0	5.5	8.6	11.4	9.3	12.5	13.4
30	39.6F	35.4F	38.4F	0.0	0.0	0.0	0.0	0.0
31	1.8	3.5	5.2	5.7	7.5	8.4	0.0	0.0
32	1.2	2.2	4.1	0.0	0.0	0.0	0.0	0.0
33	2.5	4.3	0.0	0.0	4.2	0.0	0.0	0.0
34	3.7	10.9	13.4	0.0	0.0	0.0	0.0	0.0
35	4.7	13.4	13.7	13.0	14.6	13.5	0.0	0.0
36	1.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0
37	5.8	11.2	0.0	0.0	0.0	0.0	0.0	0.0
38	5.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0
39	22.45	23.0	0.0	0.0	0.0	0.0	0.0	0.0
40	4.9	8.1	0.0	0.0	0.0	0.0	0.0	0.0
41	2.4	4.6	0.0	0.0	0.0	0.0	0.0	0.0
42	12.7	18.8	0.0	0.0	0.0	0.0	0.0	0.0
43	1.2	10.4	0.0	0.0	0.0	0.0	0.0	0.0
44	4.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0
45	3.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	SKEW	SKEW	SKEW	SKEW	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	3.70	10.90	13.45	13.00	15.60	9.80	17.10	18.20
MEAN	7.79	12.27	15.49	15.99	17.51	11.84	18.10	19.32
NOBS	35.00	35.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	9.27	8.58	9.24	8.77	8.19	4.63	5.48	6.66
CV	118.48	69.43	69.68	54.88	46.76	39.06	30.27	34.45

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.60	10.80	13.40	13.00	15.60	9.70	17.10	18.20
MEAN	6.25	11.50	14.49	15.99	17.51	10.47	18.10	19.32
NOBS	33.00	34.00	23.00	17.00	17.00	8.00	5.00	5.00
SD	6.76	7.38	8.03	8.77	8.19	2.27	5.48	6.66
CV	108.30	64.21	55.39	54.88	46.76	21.71	30.27	34.45

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.40	10.55	13.40	13.00	15.60	9.70	17.10	18.20
MEAN	4.46	10.46	14.49	15.99	17.51	10.47	18.10	19.32
NOBS	30.00	32.00	23.00	17.00	17.00	8.00	5.00	5.00
SD	3.75	6.26	8.03	8.77	8.19	2.27	5.48	6.66
CV	84.03	59.79	55.39	54.88	46.76	21.71	30.27	34.45

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 20, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	11.5	9.6	10.2	14.7	16.9	10.6	0.0	0.0
12	13.2	8.5	7.9	10.0	0.0	0.0	0.0	0.0
13	14.25	24.25	25.6	25.2	26.0	0.0	0.0	0.0
14	21.65	22.85	20.5	0.0	0.0	0.0	0.0	0.0
15	24.6F	25.75	27.7	27.9	26.5	25.5A	0.0	0.0
16	5.7	11.0	11.8	0.0	0.0	0.0	0.0	0.0
17	2.1	4.1	6.8	8.2	8.7	6.7	10.2	13.5
18	3.4	10.0	12.0	11.5	10.5	0.0	0.0	0.0
19	4.4	12.1	11.7	13.2	13.6	7.8	14.4	16.4
20	3.7	7.5	8.8	0.0	0.0	0.0	0.0	0.0
21	4.2	13.1	14.3	12.3	15.8	0.0	0.0	0.0
22	7.9	11.1	11.8	12.8	12.3	0.0	0.0	0.0
23	7.1	3.3	11.7	10.6	11.0	7.4	10.2	8.5
24	2.6	8.9	9.2	10.0	11.1	0.0	0.0	0.0
25	3.5	9.7	9.5	9.4	10.0	0.0	0.0	0.0
26	8.9	11.5	20.6	0.0	0.0	0.0	0.0	0.0
27	1.6	2.8	7.3	7.8	9.1	13.5	11.0	10.4
28	2.4	4.7	5.7	8.8	24.7	0.0	0.0	0.0
29	6.0	9.4	11.5	11.4	15.7	11.5	17.9	17.3
30	2.8	1.8	3.8	0.0	0.0	0.0	0.0	0.0
31	25.2F	25.5F	28.65	28.4	32.7F	26.4A	0.0	0.0
32	24.1F	30.7F	33.2F	0.0	0.0	0.0	0.0	0.0
33	19.65	22.85	25.8	23.0	28.1	0.0	0.0	0.0
34	1.4	2.9	6.9	0.0	0.0	0.0	0.0	0.0
35	4.4	18.3	13.4	15.1	14.2	10.3	0.0	0.0
36	4.4	12.4	0.0	0.0	0.0	0.0	0.0	0.0
37	2.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0
38	4.7	10.3	0.0	0.0	0.0	0.0	0.0	0.0
39	3.2	8.5	0.0	0.0	0.0	0.0	0.0	0.0
40	3.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0
41	2.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0
42	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
43	4.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
44	4.7	11.9	0.0	0.0	0.0	0.0	0.0	0.0
45	4.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	SKEW	SKEW	SKEW	SKEW	SKEW	NO

FIRST ITERATION								
MODE	4.40	9.40	11.70	12.30	14.20	10.60	11.00	13.50
MEAN	7.72	10.84	14.27	14.78	16.84	13.30	12.74	13.34
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	7.91	7.63	8.16	6.88	7.66	7.49	3.37	3.86
CV	102.52	70.43	57.21	46.54	45.37	56.31	26.42	28.91

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	4.40	8.90	11.70	12.30	13.90	10.60	11.00	13.50
MEAN	5.85	9.70	13.48	14.78	15.89	13.30	12.74	13.34
NOBS	32.00	33.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	5.13	6.20	7.30	6.88	6.69	7.49	3.37	3.86
CV	57.60	63.95	54.16	46.54	42.13	56.31	26.42	28.91

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	4.20	8.30	11.70	12.30	13.90	10.60	11.00	13.50
MEAN	4.38	7.74	12.83	14.78	15.89	13.30	12.74	13.34
NOBS	29.00	29.00	23.00	17.00	16.00	9.00	5.00	5.00
SD	2.21	3.33	6.70	6.88	6.64	7.49	3.37	3.86
CV	50.48	43.03	52.26	46.54	42.13	56.31	26.42	28.91

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 21, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	5.5	7.2	8.1	10.4	12.7	8.7	0.0	0.0
12	3.7	6.3	8.8	0.0	0.0	0.0	0.0	0.0
13	8.7	7.6	12.6	10.6	13.9	0.0	0.0	0.0
14	10.0	18.4	21.2	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	3.7	4.7	5.7	0.0	0.0	0.0	0.0	0.0
17	2.3	3.3	5.3	6.8	9.1	11.5	10.5	8.8 A
18	4.0	11.3	14.9	16.5	17.1	0.0	0.0	0.0
19	42.1	41.4	47.4	39.7	31.9	36.5	44.7 A	29.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	6.0	5.8	10.0	11.6	13.0	0.0	0.0	0.0
22	4.9	9.2	12.8	12.0	14.8	0.0	0.0	0.0
23	17.2	22.7	30.6	27.3	27.7	22.0	23.4	20.0
24	30.0	31.0	34.2	30.3	37.5	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	11.7	9.1	11.1	0.0	0.0	0.0	0.0	0.0
27	11.7	2.9	5.7	4.7	0.0	3.5	4.6	8.6
28	27.8	27.4	29.6	32.8	29.8	0.0	0.0	0.0
29	38.55	37.55	40.05	36.8	35.1	35.2	30.7	29.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3.9	6.9	8.8	11.0	11.4	10.0	0.0	0.0
32	3.2	5.2	6.4	0.0	0.0	0.0	0.0	0.0
33	10.4	17.7	14.0	15.1	15.1	0.0	0.0	0.0
34	19.7	23.5	26.7	0.0	0.0	0.0	0.0	0.0
35	28.0	28.8	33.1	31.8	32.1	30.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	SKEW	SKEW	SKEW	SKEW	SKEW	YES	NO	SKEW

FIRST ITERATION								
MODE	10.00	9.20	12.40	15.10	16.10	16.75	23.40	20.00
MEAN	13.45	15.64	14.47	20.56	21.50	19.67	22.78	19.08
NUMS	21.00	21.00	21.00	15.00	14.00	8.00	5.00	5.00
SD	12.31	11.99	12.82	11.95	10.15	12.98	16.01	10.16
CV	45.21	76.63	69.38	58.14	47.22	65.95	70.27	53.27

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	9.35	9.15	12.70	15.10	16.10	16.75	23.40	20.00
MEAN	12.54	14.35	17.00	20.56	21.50	19.67	22.78	19.08
NUMS	20.00	20.00	20.00	15.00	14.00	8.00	5.00	5.00
SD	10.75	10.70	11.20	11.95	10.15	12.98	16.01	10.16
CV	65.73	74.57	65.84	58.14	47.22	65.95	70.27	53.27

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	8.70	9.10	12.60	15.10	16.10	16.75	23.40	20.00
MEAN	11.18	13.14	15.79	20.56	21.50	19.67	22.78	19.08
NUMS	19.00	19.00	19.00	15.00	14.00	8.00	5.00	5.00
SD	9.09	9.47	10.07	11.95	10.15	12.98	16.01	10.16
CV	81.34	72.07	63.75	58.14	47.22	65.95	70.27	53.27

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 22, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.1	3.9	7.6	9.8	12.0	7.7	0.0	0.0
12	3.7	8.4	5.5	0.0	0.0	0.0	0.0	0.0
13	15.4	19.1	24.8	27.0	28.4	0.0	0.0	0.0
14	4.4	14.8	19.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	7.3	19.4	26.8	0.0	0.0	0.0	0.0	0.0
17	5.0	11.1	17.9	16.4	23.1	11.9	9.1	5.7
18	21.45	8.1	23.7	20.5	23.4	0.0	0.0	0.0
19	3.5	11.7	16.4	14.9	18.1	10.8	9.6	10.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	48.5F	49.0F	48.7F	41.6F	51.7F	0.0	0.0	0.0
22	3.7	14.5	15.4	15.4	18.6	0.0	0.0	0.0
23	21.15	31.15	35.95	30.65	34.05	19.7	25.3A	15.1A
24	3.4	6.1	7.3	9.9	12.9	0.0	0.0	0.0
25	4.6	5.0	11.1	11.6	14.3	0.0	0.0	0.0
26	4.7	5.4	9.5	0.0	0.0	0.0	0.0	0.0
27	2.9	5.1	11.2	11.0	12.6	13.2	12.0	8.9
28	3.8	6.2	8.5	10.4	13.3	0.0	0.0	0.0
29	3.4	4.5	7.1	11.0	12.3	13.9	11.3	11.1
30	3.7	12.1	17.2	0.0	0.0	0.0	0.0	0.0
31	5.6	7.2	9.5	9.8	12.1	11.5	0.0	0.0
32	9.7	6.7	10.2	0.0	0.0	0.0	0.0	0.0
33	3.9	15.3	4.5	0.0	11.4	0.0	0.0	0.0
34	4.8	7.5	9.8	0.0	0.0	0.0	0.0	0.0
35	6.9	10.1	11.1	12.6	14.5	17.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEN	SKEN	NO	SKEN	SKEN	NO	SKEN	NO

FIRST ITERATION

MODE	4.70	8.40	11.10	12.00	14.40	12.55	11.30	10.00
MEAN	8.70	12.30	15.77	16.83	19.57	13.21	13.46	10.96
NOHS	23.00	23.00	23.00	15.00	16.00	8.00	5.00	5.00
SD	10.14	10.20	10.46	9.36	10.86	3.74	6.72	4.98
CV	117.08	82.98	66.31	55.62	55.52	28.29	49.96	45.42

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.65	8.25	11.10	12.10	14.30	12.55	11.30	10.00
MEAN	6.89	10.63	14.28	15.06	17.43	13.21	13.46	10.96
NOHS	22.00	22.00	22.00	14.00	15.00	8.00	5.00	5.00
SD	5.45	6.48	7.79	6.62	6.91	3.74	6.72	4.98
CV	74.16	60.97	54.54	43.97	39.66	28.29	49.96	45.42

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.25	5.10	11.10	11.60	13.80	12.55	11.30	10.00
MEAN	5.45	9.65	13.25	13.87	16.24	13.21	13.46	10.96
NOHS	20.00	21.00	21.00	13.00	14.00	8.00	5.00	5.00
SD	2.94	4.70	6.26	5.09	5.37	3.74	6.72	4.98
CV	54.90	48.74	47.24	36.67	33.07	28.29	49.96	45.42

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 24, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.85	28.4	28.1	24.0	30.8	16.3	0.0	0.0
12	33.5F	26.7	27.3	0.0	0.0	0.0	0.0	0.0
13	23.4	28.2	29.5	30.2	30.4	0.0	0.0	0.0
14	24.7	26.1	27.7	0.0	0.0	0.0	0.0	0.0
15	22.2	23.8	25.7	26.5	29.8	25.9	0.0	0.0
16	24.3	27.5	0.0	0.0	0.0	0.0	0.0	0.0
17	20.2	24.7	24.8	24.5	25.1	21.1	22.1	21.6
18	23.3	20.3	22.8	22.4	22.5	0.0	0.0	0.0
19	6.5	10.7	26.3	24.7	21.5	23.9	23.7	22.5
20	4.9	10.7	16.4	0.0	0.0	0.0	0.0	0.0
21	1.4	22.4	32.9	5.0	0.0	0.0	0.0	0.0
22	2.1	22.5	3.7	5.4	8.4	0.0	0.0	0.0
23	2.4	3.1	5.3	6.2	8.4	17.4	18.0	23.6
24	1.4	3.6	9.9	14.5	12.6	0.0	0.0	0.0
25	1.8	3.4	5.8	0.0	11.2	0.0	0.0	0.0
26	0.6	1.4	7.3	0.0	0.0	0.0	0.0	0.0
27	0.4	3.3	11.9	18.3	20.4	20.1	20.0	23.0
28	3.3	7.3	19.2	21.6	29.1	0.0	0.0	0.0
29	0.8	4.1	9.4	10.5	11.3	15.6	12.4A	20.0
30	2.0	4.5	15.2	0.0	0.0	0.0	0.0	0.0
31	2.1	2.8	4.4	13.6	6.8	20.3	0.0	0.0
32	3.3	18.8	24.6	0.0	0.0	0.0	0.0	0.0
33	3.5	4.3	0.0	14.8	12.6	0.0	0.0	0.0
34	2.1	4.1	11.2	0.0	0.0	0.0	0.0	0.0
35	2.5	3.0	21.0	7.7	9.7	14.0	0.0	0.0
36	20.2	27.5	0.0	0.0	0.0	0.0	0.0	0.0
37	3.7	16.6	0.0	0.0	0.0	0.0	0.0	0.0
38	4.3	7.3	0.0	0.0	0.0	0.0	0.0	0.0
39	2.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
41	0.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0
42	2.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0
43	17.2	20.7	0.0	0.0	0.0	0.0	0.0	0.0
44	5.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0
45	4.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
BTMODAL	SKEW	SKEW	YES	YES	YES	NO	NO	NO

FIRST ITERATION

MODE	3.30	6.00	16.90	16.55	16.75	20.10	20.00	22.50
MEAN	9.14	11.49	16.30	16.88	18.26	19.40	19.24	22.14
NOHS	35.00	35.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	10.14	10.21	9.55	8.28	8.87	3.94	4.39	1.40
CV	110.92	88.86	58.60	49.07	48.54	20.29	22.80	6.34

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.05	6.00	16.90	16.55	16.75	20.10	20.00	22.50
MEAN	8.42	11.49	16.30	16.88	18.26	19.40	19.24	22.14
NOHS	34.00	35.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	9.34	10.21	9.55	8.28	8.87	3.94	4.39	1.40
CV	110.97	88.86	58.60	49.07	48.58	20.29	22.80	6.34

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.80	6.00	16.90	16.55	16.75	20.10	20.00	22.50
MEAN	7.80	11.49	16.30	16.88	18.26	19.40	19.24	22.14
NOHS	33.00	35.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	8.76	10.21	9.55	8.28	8.87	3.94	4.39	1.40
CV	112.22	88.86	58.60	49.07	48.58	20.29	22.80	6.34

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA. 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199. FIELD NUMBER 25. CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.1	3.2	6.5	7.3	11.5	10.5	0.0	0.0
12	3.4	3.3	3.9	0.0	0.0	0.0	0.0	0.0
13	2.9	2.5	4.5	0.0	10.1	0.0	0.0	0.0
14	4.1	4.3	7.2	0.0	0.0	0.0	0.0	0.0
15	2.6	2.7	3.5	0.5	9.7	13.3	0.0	0.0
16	2.8	3.8	5.8	0.0	0.0	0.0	0.0	0.0
17	2.3	2.5	5.0	10.1	6.7	10.7	10.3	44.6 A
18	3.6	2.8	5.0	4.8	10.0	0.0	0.0	0.0
19	2.5	2.1	9.2	3.3	10.3	0.0	12.2	12.5
20	2.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0
21	10.3	3.6	5.7	3.3	14.2	0.0	0.0	0.0
22	7.4	2.0	0.0	5.5	6.2	0.0	0.0	0.0
23	3.1	2.7	3.1	5.9	11.5	11.7	10.1	2.2
24	3.5	4.0	2.5	5.9	10.8	0.0	0.0	0.0
25	2.1	3.5	5.5	0.8	7.8	0.0	0.0	0.0
26	2.8	2.4	5.2	0.0	0.0	0.0	0.0	0.0
27	1.9	2.8	5.0	0.0	11.5	11.7	11.9	11.6
28	2.5	2.0	3.4	0.7	7.4	0.0	0.0	0.0
29	3.7	6.0	3.7	0.0	12.1	9.8	12.3	11.6
30	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
37	2.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
38	3.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
39	1.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
40	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
41	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0
42	2.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0
44	3.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0
45	3.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	NO	NO	SKED	SKED

FIRST ITERATION

MODE	2.73	2.90	4.60	5.90	10.20	11.20	11.90	11.60
MEAN	3.14	3.06	4.63	6.39	10.01	11.24	11.36	24.50
NOBS	20.00	29.00	19.00	13.00	14.00	6.00	5.00	5.00
SD	1.76	0.97	1.76	2.04	2.28	1.23	1.07	33.86
CV	56.07	31.69	37.94	31.86	22.78	10.90	9.43	138.21

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.80	2.85	4.25	5.90	10.20	11.20	11.90	11.60
MEAN	2.74	2.94	4.37	6.39	10.01	11.28	11.36	24.50
NOBS	28.00	28.00	18.00	13.00	14.00	6.00	5.00	5.00
SD	0.77	0.70	1.40	2.04	2.28	1.23	1.07	33.86
CV	28.23	24.00	32.05	31.86	22.78	10.90	9.43	138.21

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL	2.80	2.80	3.90	5.90	10.20	11.20	11.90	11.60
MODE	2.74	2.99	4.21	6.39	10.01	11.28	11.36	24.50
MEAN	28.00	27.00	17.00	13.00	14.00	6.00	5.00	5.00
NOBS	0.77	0.66	1.25	2.04	2.28	1.23	1.07	33.86
SD	28.23	22.02	29.67	31.86	22.78	10.90	9.43	138.21
CV								

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 26, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.4	6.0	4.7	10.9	14.0	17.6	0.0	0.0
12	4.1	2.4	6.1	0.0	0.0	0.0	0.0	0.0
13	5.7	10.0	17.7	21.2	20.4	0.0	0.0	0.0
14	3.4	12.5	17.2	0.0	0.0	0.0	0.0	0.0
15	5.3	12.5	16.4	18.8	16.9	15.0	0.0	0.0
16	2.8	3.3	6.0	0.0	0.0	0.0	0.0	0.0
17	3.8	3.6	4.5	4.7	4.5F	9.3	4.6A	31.2
18	3.4	4.8	6.5	8.3	8.7S	0.0	0.0	0.0
19	4.6	4.7	6.2	7.6	11.6	10.4	14.4	24.1
20	4.3	4.0	11.0	0.0	0.0	0.0	0.0	0.0
21	5.7	15.5	18.0	15.8	17.6	0.0	0.0	0.0
22	11.4	19.3	17.1	20.5	21.9	0.0	0.0	0.0
23	18.0	20.3	21.7	22.7	26.8	26.7	22.5	32.5
24	21.0	21.4	22.5	22.7	24.2	0.0	0.0	0.0
25	23.2S	23.2	23.6	22.6	23.2	0.0	0.0	0.0
26	8.7	21.3	23.0	0.0	0.0	0.0	0.0	0.0
27	4.6	13.6	19.0	21.8	21.5	22.1	20.3	28.6
28	10.8	18.0	21.8	21.8	22.1	0.0	0.0	0.0
29	24.8F	32.6F	33.1F	34.3S	36.6F	40.7A	36.7A	0.0
30	11.5	15.9	14.5	0.0	0.0	0.0	0.0	0.0
31	16.0	21.2	21.4	54.9F	21.4	32.2A	0.0	0.0
32	10.3	17.1	21.8	0.0	0.0	0.0	0.0	0.0
33	11.1	19.4	19.4	19.9	21.8	0.0	0.0	0.0
34	13.1	20.4	23.4	0.0	0.0	0.0	0.0	0.0
35	8.4	22.3	23.7	23.6	24.7	24.5	0.0	0.0
36	2.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0
37	7.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0
38	7.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0
39	12.4	18.7	0.0	0.0	0.0	0.0	0.0	0.0
40	12.4	21.0	0.0	0.0	0.0	0.0	0.0	0.0
41	13.4	14.4	0.0	0.0	0.0	0.0	0.0	0.0
42	17.7	14.0	0.0	0.0	0.0	0.0	0.0	0.0
43	10.2	18.2	0.0	0.0	0.0	0.0	0.0	0.0
44	12.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
45	14.2	18.7	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	NO	NO	SKEW	NO	NO	NO

FIRST ITERATION

MODE	8.40	17.70	14.00	21.20	21.80	22.10	20.30	30.15
MEAN	10.05	14.36	17.26	21.69	19.84	22.43	21.70	30.35
NOBS	37.00	32.00	25.00	17.00	17.00	4.00	3.00	4.00
SD	6.65	7.56	7.30	14.42	7.41	10.02	9.74	1.82
CV	66.23	52.64	42.30	66.44	37.24	44.65	44.87	6.01

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	8.80	16.30	18.50	20.85	21.40	22.10	20.30	30.15
MEAN	9.46	13.82	16.60	18.67	19.81	22.43	21.70	30.35
NOBS	34.00	34.00	24.00	16.00	15.00	4.00	3.00	4.00
SD	5.78	6.46	6.65	7.56	5.06	10.02	9.74	1.82
CV	61.04	50.37	40.07	40.44	25.67	44.65	44.87	6.01

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	8.70	16.30	18.50	20.50	20.90	22.10	20.30	30.15
MEAN	9.05	13.82	16.60	17.63	20.60	22.43	21.70	30.35
NOBS	33.00	34.00	24.00	15.00	14.00	4.00	3.00	4.00
SD	5.33	6.46	6.65	6.53	4.20	10.02	9.74	1.82
CV	58.90	50.37	40.07	37.04	20.41	44.65	44.87	6.01

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	2.00	4.05	6.25	7.25	6.50	6.40	0.00	0.00
12	2.22	3.35	6.65	0.00	0.00	0.00	0.00	0.00
13	2.22	3.35	0.00	5.00	8.70	0.00	0.00	0.00
14	1.44	1.55	5.45	0.00	0.00	0.00	0.00	0.00
15	1.88	2.55	3.55	5.45	7.30	0.00	0.00	0.00
16	1.33	2.44	3.66	0.00	0.00	0.00	0.00	0.00
17	1.99	2.22	3.33	3.33	4.00	5.50	6.10	6.70
18	0.99	1.44	2.77	0.00	0.00	0.00	0.00	0.00
19	1.11	1.22	2.66	3.00	4.60	4.10	4.90	5.00
20	1.33	1.66	3.33	0.00	0.00	0.00	0.00	0.00
21	1.66	1.99	3.33	3.55	3.10	0.00	0.00	0.00
22	1.44	1.77	3.33	4.10	6.00	5.00	8.00	9.20
23	1.66	0.00	2.22	4.00	0.00	0.00	0.00	0.00
24	0.00	0.00	2.22	3.88	7.90	0.00	0.00	0.00
25	1.66	1.33	2.22	0.00	0.00	0.00	0.00	0.00
26	1.77	1.66	3.33	3.55	4.50	0.00	10.10	7.50
27	1.11	1.99	2.22	3.00	5.70	3.30	5.80	6.50
28	0.00	1.11	3.33	0.00	0.00	0.00	0.00	0.00
29	2.00	3.22	5.00	2.00	5.60	0.00	0.00	0.00
30	1.11	1.44	3.00	0.00	0.00	0.00	0.00	0.00
31	1.55	1.66	2.00	4.10	3.30	0.00	0.00	0.00
32	1.11	1.44	2.00	0.00	0.00	0.00	0.00	0.00
33	1.11	1.66	2.00	0.00	0.00	0.00	0.00	0.00
34	1.55	3.33	3.44	7.00	7.60	0.00	0.00	0.00
35	1.44	4.77	0.00	0.00	0.00	0.00	0.00	0.00
36	1.22	2.11	0.00	0.00	0.00	0.00	0.00	0.00
37	1.11	1.44	0.00	0.00	0.00	0.00	0.00	0.00
38	3.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00
39	1.55	2.22	0.00	0.00	0.00	0.00	0.00	0.00
40	1.55	2.22	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	2.44	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
43	2.66	2.55	0.00	0.00	0.00	0.00	0.00	0.00
44	2.11	2.11	0.00	0.00	0.00	0.00	0.00	0.00
45	2.11	1.66	0.00	0.00	0.00	0.00	0.00	0.00
MINIMUM	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	1.60	2.30	3.35	3.80	6.10	5.75	8.00	6.70
MEAN	1.68	2.34	3.60	4.24	5.88	5.46	7.98	6.48
NOBS	32.00	33.00	24.00	15.00	17.00	8.00	5.00	5.00
SD	0.44	0.83	1.16	1.38	1.55	1.26	2.03	1.54
CV	25.35	34.90	32.27	32.48	25.34	23.11	25.43	22.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.60	2.25	3.25	3.50	6.10	5.75	8.00	6.70
MEAN	1.64	2.31	3.35	3.80	5.88	5.46	7.98	6.48
NOBS	31.00	32.00	22.00	13.00	17.00	8.00	5.00	5.00
SD	0.42	0.73	0.81	0.80	1.55	1.26	2.03	1.54
CV	25.48	31.68	24.28	20.97	26.34	23.11	25.43	22.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.55	2.15	3.15	3.50	6.10	5.75	8.00	6.70
MEAN	1.60	2.21	3.15	3.67	5.88	5.46	7.98	6.98
NOBS	30.00	30.00	20.00	12.00	17.00	8.00	5.00	5.00
SD	0.38	0.62	0.53	0.66	1.55	1.26	2.03	1.54
CV	23.68	28.21	16.47	18.10	26.34	23.11	25.43	22.00

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 34, CROP - MILU

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH INTERVAL, CM.							
	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	14.1	17.5	15.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	13.5	16.2	16.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	12.9	15.2	14.5
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	12.1	13.6	15.7
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	15.2	14.6	14.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	13.50	15.20	15.10
MEAN	0.0	0.0	0.0	0.0	0.0	13.56	15.42	15.18
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	1.18	1.50	0.77
CV	0.0	0.0	0.0	0.0	0.0	8.69	9.71	5.09

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	13.50	15.20	15.10
MEAN	0.0	0.0	0.0	0.0	0.0	13.56	15.42	15.18
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	1.18	1.50	0.77
CV	0.0	0.0	0.0	0.0	0.0	8.69	9.71	5.09

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	13.50	15.20	15.10
MEAN	0.0	0.0	0.0	0.0	0.0	13.56	15.42	15.18
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	1.18	1.50	0.77
CV	0.0	0.0	0.0	0.0	0.0	8.69	9.71	5.09

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 39, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.5	10.4	12.6	20.4S	3.7	0.0	0.0	0.0
14	5.4	5.4	4.7	0.0	0.0	0.0	0.0	0.0
15	2.6	4.3	9.6	12.6	12.2	9.6	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	5.0	5.2	9.8	10.0	9.7	0.0	0.0	0.0
19	4.4	6.4	7.4	9.7	9.4	10.4	9.5	8.5
20	4.1	7.5	12.5	0.0	0.0	0.0	0.0	0.0
21	0.0	3.4	7.8	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	4.5	7.6	9.3	9.0	5.4	11.1	11.8	10.3
24	3.1	5.9	9.7	11.5	6.0	0.0	0.0	0.0
25	3.2	4.3	4.6	10.5	11.6	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	2.6	0.0	0.0	2.3	8.4	0.0	0.0	0.0
29	2.2	3.3	4.8	8.4	9.4	11.5	8.6	8.6
30	3.0	3.4	7.4	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.2	2.4S	25.8S	26.8F	27.1F	0.0	0.0	0.0
34	3.0	3.0	8.6	10.2	8.7	12.9	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	3.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
45	1.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKW	SKW	SKW	SKW	SKW	NO	SKW	SKW

FIRST ITERATION

MODE	3.80	5.20	9.70	10.20	9.40	11.10	9.50	8.60
MEAN	6.28	8.06	12.13	11.99	10.19	11.10	9.97	9.13
NOBS	17.00	17.00	15.00	11.00	11.00	5.00	3.00	3.00
SD	8.13	8.85	8.30	6.46	6.17	1.24	1.65	1.01
CV	129.45	107.31	68.91	53.90	60.57	11.16	16.56	11.08

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.50	4.80	9.65	10.10	9.05	11.10	9.50	8.60
MEAN	4.67	6.38	10.34	10.51	8.50	11.10	9.97	9.13
NOBS	16.00	16.00	14.00	10.00	10.00	5.00	3.00	3.00
SD	4.85	5.34	4.88	4.43	2.72	1.24	1.65	1.01
CV	103.94	83.66	47.16	42.13	31.97	11.16	16.56	11.08

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.20	4.40	9.60	10.00	9.05	11.10	9.50	8.60
MEAN	3.49	5.15	9.15	9.41	8.50	11.10	9.97	9.13
NOBS	15.00	15.00	13.00	9.00	10.00	5.00	3.00	3.00
SD	1.13	2.17	2.08	2.91	2.72	1.24	1.65	1.01
CV	32.39	42.02	22.73	30.93	31.97	11.16	16.56	11.08

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 40, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	18.6	19.2	2-5	18.3	19.2	18.7	0.0	0.0
12	23.4F	23.0	5-9	0.0	0.0	0.0	0.0	0.0
13	14.6	17.2	9-15	19.8	0.0	0.0	0.0	0.0
14	20.7	20.8	15-21	0.0	0.0	0.0	0.0	0.0
15	16.1	18.2	21-27	20.0	20.4	17.9	0.0	0.0
16	13.5	18.7	27-33	0.0	0.0	0.0	0.0	0.0
17	14.0	16.0	33-39	14.8	16.8	17.8	14.9	11.8
18	11.9	18.0	39-45	21.1	20.9	0.0	0.0	0.0
19	13.1	19.4	45-51	18.8	18.4	16.8	16.1	15.4
20	5.2	15.2	51-57	0.0	0.0	0.0	0.0	0.0
21	5.4	23.3	57-63	19.2	19.7	0.0	0.0	0.0
22	8.8	19.0	63-69	17.2	18.3	0.0	0.0	0.0
23	15.5	21.3	69-75	20.7	22.0	16.0	18.9	14.6
24	7.6	16.7	75-81	18.8	19.0	0.0	0.0	0.0
25	4.4	12.1	81-87	18.0	20.5	0.0	0.0	0.0
26	5.2	9.7F	87-93	0.0	0.0	0.0	0.0	0.0
27	8.8	18.8	93-99	22.1	21.4	18.8	14.8	18.3
28	16.7	11.5S	99-105	14.6	15.1	0.0	0.0	0.0
29	18.3	18.4	105-111	17.7	14.4	11.4F	15.3	11.8
30	7.1	15.5	111-117	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	117-123	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	123-129	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	129-135	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	135-141	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	141-147	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	147-153	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	153-159	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	159-165	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	165-171	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	171-177	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	177-183	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	183-189	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	189-195	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	195-201	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	201-207	0.0	0.0	0.0	0.0	0.0
B1 MODAL	NO	NO	SKEW	NO	SKEW	SKEW	NO	NO

FIRST ITERATION

MODE	12.50	18.10	19.00	19.00	19.20	17.40	15.30	14.60
MEAN	11.99	17.45	18.15	18.78	18.93	16.74	16.00	14.38
NOBS	20.00	20.00	19.00	14.00	13.00	7.00	5.00	5.00
SD	5.64	3.56	4.66	2.22	2.33	2.54	1.70	2.73
CV	47.04	20.40	25.70	11.81	12.30	15.20	10.63	18.97

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	11.90	18.00	18.90	19.00	19.20	17.30	15.30	14.60
MEAN	11.39	17.86	19.02	18.78	18.93	17.63	16.00	14.38
NOBS	19.00	19.00	18.00	14.00	13.00	6.00	5.00	5.00
SD	5.10	3.14	2.80	2.22	2.33	1.05	1.70	2.73
CV	44.75	17.54	14.71	11.81	12.30	5.97	10.63	18.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	11.90	17.60	18.80	19.00	19.20	17.30	15.30	14.60
MEAN	11.39	18.21	19.48	18.78	18.93	17.63	16.00	14.38
NOBS	19.00	18.00	17.00	14.00	13.00	6.00	5.00	5.00
SD	5.10	2.82	2.07	2.22	2.33	1.05	1.70	2.73
CV	44.75	15.47	10.61	11.81	12.30	5.97	10.63	18.97

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 44, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH	INTERVAL, CM.	0-15	15-30	30-45
11	2.2	0.1	0.0	0.0	0.0
12	2.2	0.1	0.0	0.0	0.0
13	2.2	0.1	0.0	0.0	0.0
14	2.3	0.1	0.0	0.0	0.0
15	2.3	0.1	0.0	0.0	0.0
16	2.3	0.1	0.0	0.0	0.0
17	2.3	0.1	0.0	0.0	0.0
18	2.3	0.1	0.0	0.0	0.0
19	2.3	0.1	0.0	0.0	0.0
20	2.3	0.1	0.0	0.0	0.0
21	2.3	0.1	0.0	0.0	0.0
22	2.3	0.1	0.0	0.0	0.0
23	2.3	0.1	0.0	0.0	0.0
24	2.3	0.1	0.0	0.0	0.0
25	2.3	0.1	0.0	0.0	0.0
26	2.3	0.1	0.0	0.0	0.0
27	2.3	0.1	0.0	0.0	0.0
28	2.3	0.1	0.0	0.0	0.0
29	2.3	0.1	0.0	0.0	0.0
30	2.3	0.1	0.0	0.0	0.0
31	2.3	0.1	0.0	0.0	0.0
32	2.3	0.1	0.0	0.0	0.0
33	2.3	0.1	0.0	0.0	0.0
34	2.3	0.1	0.0	0.0	0.0
35	2.3	0.1	0.0	0.0	0.0
36	2.3	0.1	0.0	0.0	0.0
37	2.3	0.1	0.0	0.0	0.0
38	2.3	0.1	0.0	0.0	0.0
39	2.3	0.1	0.0	0.0	0.0
40	2.3	0.1	0.0	0.0	0.0
41	2.3	0.1	0.0	0.0	0.0
42	2.3	0.1	0.0	0.0	0.0
43	2.3	0.1	0.0	0.0	0.0
44	2.3	0.1	0.0	0.0	0.0
45	2.3	0.1	0.0	0.0	0.0
46	2.3	0.1	0.0	0.0	0.0
47	2.3	0.1	0.0	0.0	0.0
48	2.3	0.1	0.0	0.0	0.0
49	2.3	0.1	0.0	0.0	0.0
50	2.3	0.1	0.0	0.0	0.0
51	2.3	0.1	0.0	0.0	0.0
52	2.3	0.1	0.0	0.0	0.0
53	2.3	0.1	0.0	0.0	0.0
54	2.3	0.1	0.0	0.0	0.0
55	2.3	0.1	0.0	0.0	0.0
56	2.3	0.1	0.0	0.0	0.0
57	2.3	0.1	0.0	0.0	0.0
58	2.3	0.1	0.0	0.0	0.0
59	2.3	0.1	0.0	0.0	0.0
60	2.3	0.1	0.0	0.0	0.0
61	2.3	0.1	0.0	0.0	0.0
62	2.3	0.1	0.0	0.0	0.0
63	2.3	0.1	0.0	0.0	0.0
64	2.3	0.1	0.0	0.0	0.0
65	2.3	0.1	0.0	0.0	0.0
66	2.3	0.1	0.0	0.0	0.0
67	2.3	0.1	0.0	0.0	0.0
68	2.3	0.1	0.0	0.0	0.0
69	2.3	0.1	0.0	0.0	0.0
70	2.3	0.1	0.0	0.0	0.0
71	2.3	0.1	0.0	0.0	0.0
72	2.3	0.1	0.0	0.0	0.0
73	2.3	0.1	0.0	0.0	0.0
74	2.3	0.1	0.0	0.0	0.0
75	2.3	0.1	0.0	0.0	0.0
76	2.3	0.1	0.0	0.0	0.0
77	2.3	0.1	0.0	0.0	0.0
78	2.3	0.1	0.0	0.0	0.0
79	2.3	0.1	0.0	0.0	0.0
80	2.3	0.1	0.0	0.0	0.0
81	2.3	0.1	0.0	0.0	0.0
82	2.3	0.1	0.0	0.0	0.0
83	2.3	0.1	0.0	0.0	0.0
84	2.3	0.1	0.0	0.0	0.0
85	2.3	0.1	0.0	0.0	0.0
86	2.3	0.1	0.0	0.0	0.0
87	2.3	0.1	0.0	0.0	0.0
88	2.3	0.1	0.0	0.0	0.0
89	2.3	0.1	0.0	0.0	0.0
90	2.3	0.1	0.0	0.0	0.0
91	2.3	0.1	0.0	0.0	0.0
92	2.3	0.1	0.0	0.0	0.0
93	2.3	0.1	0.0	0.0	0.0
94	2.3	0.1	0.0	0.0	0.0
95	2.3	0.1	0.0	0.0	0.0
96	2.3	0.1	0.0	0.0	0.0
97	2.3	0.1	0.0	0.0	0.0
98	2.3	0.1	0.0	0.0	0.0
99	2.3	0.1	0.0	0.0	0.0
100	2.3	0.1	0.0	0.0	0.0

FIRST ITERATION								
MODE	1.30	1.90	2.80	4.20	5.10	5.35	8.20	8.00
MEAN	1.25	2.11	2.77	4.35	4.75	5.35	8.53	8.20
TOTALS	22.00	23.00	13.20	11.00	11.00	5.00	3.00	3.00
SD	0.61	1.41	0.72	0.97	1.99	1.77	2.72	0.82
CV	48.68	67.74	25.80	22.25	41.83	33.16	31.82	9.98

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION									
MODE	1.30	1.90	2.80	4.20	5.10	5.35	8.20	8.00	
MEAN	1.25	1.84	2.79	4.35	4.75	5.35	8.50	8.00	
NOBS	22.00	22.00	16.00	11.00	11.00	6.00	2.00	2.00	
SD	0.61	0.57	0.72	0.47	1.99	1.77	2.72	2.42	
CV	40.33	32.01	29.20	22.25	41.83	33.16	41.82	30.25	

5 OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL	1.30	1.40	2.00	4.20	5.10	5.30	8.20	8.00
GRADE	1.25	1.34	2.70	4.35	4.75	5.35	8.20	8.20
MEAN	22.00	22.00	10.00	11.00	11.00	0.00	2.00	3.00
NOHS	22.00	22.00	10.00	11.00	11.00	0.00	2.00	3.00
SD	0.71	0.54	0.72	0.47	1.99	1.77	0.72	0.42
CV	40.68	32.01	20.00	22.25	41.83	33.16	31.82	4.42

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	5-15	0-15	15-30	30-45
11	1.6	1.8	2.7	4.5	8.4	7.6	0.0	0.0	0.0
12	1.7	2.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
13	2.2F	2.4	3.7	7.1S	10.8	0.0	0.0	0.0	0.0
14	1.3	1.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0
15	1.5	1.4	2.5	3.5	5.6	6.1	0.0	0.0	0.0
16	1.4	1.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
17	1.7	2.5S	3.5	5.4	9.8	7.7	12.2	10.4	0.0
18	1.6	1.7	2.5	4.5	7.5	0.0	0.0	0.0	0.0
19	0.5	1.2	2.3	3.7	5.1	4.1	8.4	12.6	10.6
20	1.1	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
21	1.3	1.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
22	1.0	1.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0
23	2.3F	3.1F	2.9F	4.7F	7.6F	4.5	13.0	10.0	0.0
24	1.2	1.5	2.8	4.2	9.4F	0.0	0.0	0.0	0.0
25	0.6	1.7	2.6	4.2	7.5	0.0	0.0	0.0	0.0
26	0.6	0.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
27	1.1	2.1	3.4	9.1	10.1	5.4	12.6	14.5	0.0
28	1.0	1.8	3.1	5.3	9.2	0.0	0.0	12.8	0.0
29	0.5	0.4	1.8	3.1	3.5	4.0	4.0	12.8	0.0
30	0.8	1.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
31	0.4	1.5	2.4	3.6	7.7	5.1	0.0	0.0	0.0
32	1.2	1.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0
33	0.9	0.3F	2.2	5.3	8.0	0.0	0.0	0.0	0.0
34	0.4	0.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
35	1.1	2.0	1.8	5.1	4.7	6.0	0.0	0.0	0.0
36	1.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	1.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.1	0.6S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	1.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	NO	SKEW	SKEW	SKEW	

FIRST ITERATION

MODE	1.10	1.60	2.80	5.00	8.20	6.00	12.20	10.90
MEAN	1.06	1.57	2.84	5.09	8.39	6.22	11.26	11.40
NOBS	33.00	33.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	0.55	0.56	0.70	1.58	2.27	1.79	1.87	1.83
CV	51.44	35.55	24.29	31.13	27.07	28.80	16.63	15.48

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.10	1.60	2.75	4.80	8.00	6.00	12.20	10.90
MEAN	0.99	1.56	2.79	4.80	8.35	6.22	11.26	11.60
NOBS	33.00	33.00	24.00	16.00	15.00	9.00	5.00	5.00
SD	0.47	0.46	0.54	1.08	1.39	1.79	1.87	1.83
CV	47.83	29.17	19.27	22.53	16.69	28.80	16.63	15.48

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.10	1.50	2.75	4.60	8.00	6.00	12.20	10.90
MEAN	0.99	1.56	2.79	4.65	8.35	6.22	11.26	11.80
NOBS	33.00	31.00	24.00	15.00	15.00	9.00	5.00	5.00
SD	0.47	0.40	0.54	0.92	1.39	1.79	1.87	1.83
CV	47.83	25.70	19.27	19.84	16.69	28.80	16.63	15.48

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 47, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.0	2.2	4.3	5.0	9.8	6.5	0.0	0.0
12	1.4	2.8	4.0	0.0	0.0	0.0	0.0	0.0
13	2.0	3.7	8.5	10.8	13.2	0.0	0.0	0.0
14	1.4	1.0	1.8	0.0	0.0	0.0	0.0	0.0
15	1.2	0.4	3.5	7.7	12.5	9.2	0.0	0.0
16	1.7	9.8F	5.5	0.0	0.0	0.0	0.0	0.0
17	3.0	2.0	7.3	12.9	13.6	27.9F	0.0	0.0
18	2.4	4.3	5.7	11.7	15.8	0.0	0.0	0.0
19	0.0	0.2	9.2	17.2	18.0	0.0	0.0	0.0
20	1.5	1.0	3.7	0.0	0.0	0.0	0.0	0.0
21	3.1	4.4	11.0	13.1	13.6	0.0	0.0	0.0
22	1.0	2.4	11.1	10.8	14.7	0.0	0.0	0.0
23	1.2	2.7	6.7	9.9	12.5	4.0	0.0	0.0
24	1.0	2.0	4.2	8.7	11.9	0.0	0.0	0.0
25	0.0	1.7	3.3	6.5	9.7	0.0	0.0	0.0
26	2.0	3.8	4.2	0.0	0.0	0.0	0.0	0.0
27	4.1F	5.2	10.1	12.2	13.3	10.3	0.0	0.0
28	1.8	3.0	7.0	11.1	13.6	0.0	0.0	0.0
29	1.7	3.0	9.0	14.9	18.1	9.6	0.0	0.0
30	1.2	1.8	5.7	0.0	0.0	0.0	0.0	0.0
31	3.1	4.8	8.3	10.5	10.5	4.0	0.0	0.0
32	5.5F	7.35	10.8	0.0	0.0	0.0	0.0	0.0
33	2.3	4.8	7.7	13.4	14.0	0.0	0.0	0.0
34	1.0	2.7	6.7	0.0	0.0	0.0	0.0	0.0
35	1.6	2.5	5.3	12.1	13.5	8.2	0.0	0.0
36	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
39	0.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
40	3.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0
41	1.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42	1.4	9.4F	0.0	0.0	0.0	0.0	0.0	0.0
43	1.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
44	1.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	SKEW	NO	NO	NO	SKEW	NO	NO

FIRST ITERATION

MODE	1.55	2.60	6.70	11.70	13.60	9.10	0.0	0.0
MEAN	1.74	3.13	6.75	11.44	13.66	11.34	0.0	0.0
NOBS	32.00	33.00	25.00	17.00	17.00	8.00	0.0	0.0
SD	1.13	2.34	2.71	3.31	2.48	6.73	0.0	0.0
CV	53.59	74.74	40.12	28.89	18.13	59.40	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.45	2.60	6.70	11.70	13.60	9.00	0.0	0.0
MEAN	1.58	2.69	6.75	11.44	13.66	8.97	0.0	0.0
NOBS	30.00	31.00	25.00	17.00	17.00	7.00	0.0	0.0
SD	0.81	1.62	2.71	3.31	2.48	0.81	0.0	0.0
CV	51.57	60.09	40.12	28.89	18.13	9.07	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.45	2.55	6.70	11.70	13.60	9.00	0.0	0.0
MEAN	1.58	2.54	6.75	11.44	13.66	8.97	0.0	0.0
NOBS	30.00	30.00	25.00	17.00	17.00	7.00	0.0	0.0
SD	0.81	1.40	2.71	3.31	2.48	0.81	0.0	0.0
CV	51.57	55.03	40.12	28.89	18.13	9.07	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
DEPTH INTERVAL, CM.								
11	2.9	5.0	0.0	0.0	14.2S	22.5	0.0	0.0
12	3.2	8.3	17.8	0.0	0.0	0.0	0.0	0.0
13	3.2	5.8	11.0	18.4	22.2	0.0	0.0	0.0
14	0.0	15.5S	0.0	0.0	0.0	0.0	0.0	0.0
15	2.6	10.8	16.2	17.2	22.1	20.9	0.0	0.0
16	1.3	3.6	9.6	0.0	0.0	0.0	0.0	0.0
17	1.4	1.7	10.6	17.4	19.1	22.2	20.4	21.1
18	4.7S	13.3	19.5	21.0	23.5	0.0	0.0	0.0
19	1.7	3.3	13.7	17.5	21.0	19.0	13.0	14.2
20	2.7	8.0	21.3	0.0	0.0	0.0	0.0	0.0
21	2.9	3.1	17.1	0.0	17.3	0.0	0.0	0.0
22	4.2	15.2S	17.1	20.9	17.2	0.0	0.0	0.0
23	1.6	5.0	6.0F	14.8	21.2	19.2	17.1	14.0
24	0.0	5.2	9.6	10.2S	20.2	0.0	0.0	0.0
25	2.9	10.1	13.2	0.0	21.3	0.0	0.0	0.0
26	2.1	0.0	17.8	0.0	0.0	0.0	0.0	0.0
27	8.3F	18.3F	20.5	22.5	19.1	20.3	20.6	10.3
28	6.5F	10.0	17.5	21.0	13.7F	0.0	0.0	0.0
29	3.8	5.8	18.3	19.4	20.9	21.9	22.0	0.0
30	4.4	9.3	22.0	0.0	0.0	0.0	0.0	0.0
31	1.4	3.4	15.5	20.7	0.0	14.1F	0.0	0.0
32	2.9	9.2	15.8	0.0	0.0	0.0	0.0	0.0
33	2.8	7.1	11.7	13.0	19.3	0.0	0.0	0.0
34	3.6	4.1	14.4	0.0	0.0	0.0	0.0	0.0
35	1.3	5.6	0.0	2.5F	0.0	19.2	0.0	0.0
36	2.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0
38	2.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0
39	3.5	14.1	0.0	0.0	0.0	0.0	0.0	0.0
40	2.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0
41	3.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0
42	3.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
43	1.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0
44	1.4	8.8	0.0	0.0	0.0	0.0	0.0	0.0
45	3.4	5.2	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	2.80	7.10	16.00	18.90	20.20	20.30	20.40	15.25
MEAN	2.90	7.47	15.30	17.46	19.49	19.92	18.78	16.40
NOBS	33.00	35.00	22.00	14.00	15.00	9.00	5.00	4.00
SD	1.53	4.03	4.19	4.31	2.84	2.57	3.31	3.30
CV	52.77	50.57	27.37	24.67	14.59	12.88	17.65	20.13

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.70	6.95	15.80	18.40	19.75	19.75	20.40	15.25
MEAN	2.61	7.65	15.74	18.15	19.90	20.65	18.78	16.40
NOBS	31.00	34.00	21.00	13.00	14.00	8.00	5.00	4.00
SD	1.01	3.60	3.73	3.60	2.44	1.44	3.31	3.30
CV	38.57	47.15	23.67	19.80	12.25	6.97	17.65	20.13

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.70	6.40	15.80	17.90	19.30	19.75	20.40	15.25
MEAN	2.54	7.18	15.74	18.82	20.34	20.65	18.78	16.40
NOBS	30.00	32.00	21.00	12.00	13.00	8.00	5.00	4.00
SD	0.95	3.19	3.73	2.81	1.88	1.44	3.31	3.30
CV	37.21	44.46	23.67	14.91	9.23	6.97	17.65	20.13

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	6.6	3.6	5.1	10.7	14.6	0.0	0.0	0.0
12	3.2	4.2	8.2	0.0	0.0	0.0	0.0	0.0
13	3.6	3.5	7.5	18.1	20.9	0.0	0.0	0.0
14	3.5	6.3	11.2	0.0	0.0	0.0	0.0	0.0
15	7.15	8.4	12.6	13.8	16.5	16.1	0.0	0.0
16	6.6	11.1F	12.5	0.0	0.0	0.0	0.0	0.0
17	4.6	6.6	10.7	12.1	14.5	15.2	0.0	4.3
18	4.2	7.1	14.8F	22.5	23.2	0.0	0.0	0.0
19	4.7	7.5	12.2	15.4	17.5	0.0	11.5	10.2
20	3.7	9.45	12.2	0.0	0.0	0.0	0.0	0.0
21	4.4	4.35	15.0	19.7	21.8	0.0	0.0	0.0
22	4.2	5.7	10.9	22.1	21.3	0.0	0.0	0.0
23	4.3	6.2	11.0	15.0	18.6	0.0	16.8	15.3
24	4.5	8.3	13.2	15.9	17.6	0.0	0.0	0.0
25	6.2	9.45	15.0	20.3	21.5	0.0	0.0	0.0
26	12.1F	11.4F	12.6	0.0	0.0	0.0	0.0	0.0
27	3.4	4.4	6.9	10.1	5.4	12.6	9.1	4.3
28	2.9	3.8	5.3	4.3	5.6	0.0	0.0	0.0
29	3.1	5.1	10.6	9.8	13.3	18.5	20.8	35.00A
30	4.0	5.7	15.4	0.0	0.0	0.0	0.0	0.0
31	7.15	12.0F	15.8	15.5	17.8	14.8	0.0	0.0
32	3.0	5.5	6.6	0.0	0.0	0.0	0.0	0.0
33	2.4	4.7	8.0	9.3	13.6	0.0	0.0	0.0
34	7.05	6.2	8.0	0.0	0.0	0.0	0.0	0.0
35	2.8	4.5	5.4	5.4	4.9	16.4	0.0	0.0
36	4.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0
37	3.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
38	3.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
39	3.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
40	3.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	2.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
43	5.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0
44	4.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0
45	4.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	SKEW	NO	SKEW	NO	NO	NO	NO	SKEW

FIRST ITERATION

MODE	4.00	5.75	10.90	13.90	17.50	16.50	14.15	10.20
MEAN	4.50	6.24	10.44	14.06	15.82	16.42	14.55	15.92
NOBS	34.00	34.00	25.00	17.00	17.00	6.00	4.00	5.00
SD	1.88	2.33	3.70	5.38	5.83	2.72	5.26	11.00
CV	41.64	37.13	35.43	38.26	36.85	16.59	36.18	69.13

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.00	5.70	10.80	13.90	17.50	16.50	14.15	10.20
MEAN	4.27	5.77	10.09	14.06	15.82	16.42	14.55	15.92
NOBS	33.00	31.00	24.00	17.00	17.00	6.00	4.00	5.00
SD	1.34	1.68	3.33	5.38	5.83	2.72	5.26	11.00
CV	31.36	29.05	33.02	38.26	36.85	16.59	36.18	69.13

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.95	5.58	10.80	13.90	17.50	16.50	14.15	10.20
MEAN	3.99	5.52	10.04	14.06	15.82	16.42	14.55	15.92
NOBS	30.00	29.00	24.00	17.00	17.00	6.00	4.00	5.00
SD	1.04	1.41	3.33	5.38	5.83	2.72	5.26	11.00
CV	26.10	25.63	33.02	38.26	36.85	16.59	36.18	69.13

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 52, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	1.9	2.8	5.6	14.9	20.2	9.4	0.0	0.0
12	8.5F	2.0	3.5	0.0	0.0	0.0	0.0	0.0
13	2.0	2.7	4.2	12.5	0.0	0.0	0.0	0.0
14	1.9	2.8	5.1	0.0	0.0	0.0	0.0	0.0
15	1.7	2.3	3.5	7.9	19.5	12.9	0.0	0.0
16	2.3	2.7	4.9	0.0	0.0	0.0	0.0	0.0
17	1.8	2.0	0.0	4.8	18.9F	7.5	21.4	20.9
18	1.9	2.7	33.7F	4.8	18.3	0.0	0.0	0.0
19	2.4	2.7	4.4	14.4	0.0	3.5	21.2	20.3
20	2.85	3.1	7.3	0.0	0.0	0.0	0.0	0.0
21	2.3	2.7	3.4	8.5	22.1	0.0	0.0	0.0
22	1.7	3.0	4.1	8.4	21.2	0.0	0.0	0.0
23	2.1	2.5	2.7	5.3	14.25	12.7	21.1	20.5
24	1.6	2.5	4.1	12.7	20.4	0.0	0.0	0.0
25	1.1	2.3	3.5	8.8	19.1	0.0	0.0	0.0
26	1.6	2.8	5.1	0.0	0.0	0.0	0.0	0.0
27	1.4	2.1	3.5	5.1	19.6	10.1	21.1	19.2
28	1.5	2.5	6.1	12.0	17.3	0.0	0.0	0.0
29	1.0	2.6	1.5	3.0	14.8	9.5	23.2	22.3
30	1.3	2.4	4.5	0.0	0.0	0.0	0.0	0.0
31	1.9	3.0	10.85	20.7F	22.5	10.4	0.0	0.0
32	1.2	2.4	5.2	0.0	0.0	0.0	0.0	0.0
33	1.4	2.2	4.0	10.5	21.3	0.0	0.0	0.0
34	1.6	2.2F	3.6	0.0	0.0	0.0	0.0	0.0
35	1.4	1.6F	3.6	8.4	18.2	4.5	0.0	0.0
36	2.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
37	2.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0
38	1.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
39	1.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0
40	1.2	1.95	0.0	0.0	0.0	0.0	0.0	0.0
41	1.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0
42	1.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
43	2.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0
44	1.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0
45	2.1	3.7F	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	SKEW	NO	NO	NO	SKEW	NO

FIRST ITERATION

MODE	1.40	2.60	4.15	8.50	19.50	9.50	21.40	20.40
MEAN	1.45	2.63	5.75	9.68	18.22	10.10	22.00	21.24
STDS	33.00	35.00	4.00	17.00	13.00	7.00	5.00	5.00
SD	1.20	0.44	0.20	4.56	3.45	1.79	1.10	1.60
CV	21.70	10.61	167.45	47.11	18.43	17.72	5.01	7.52

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.75	2.60	4.10	8.45	19.30	9.50	21.40	20.40
MEAN	1.76	2.62	4.53	8.99	19.53	10.10	22.00	21.24
STDS	34.00	33.00	23.00	16.00	14.00	9.00	5.00	5.00
SD	0.39	0.35	1.78	3.68	2.17	1.79	1.10	1.60
CV	22.45	13.17	39.37	40.97	11.10	17.72	5.01	7.52

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.70	2.60	4.10	8.45	19.10	9.50	21.40	20.40
MEAN	1.73	2.65	4.25	8.99	19.94	10.10	22.00	21.24
STDS	33.00	37.00	22.00	16.00	13.00	9.00	5.00	5.00
SD	0.47	0.33	1.17	3.68	1.60	1.79	1.10	1.60
CV	21.43	12.29	27.63	40.97	8.00	17.72	5.01	7.52

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 53, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.3	4.1	5.5	7.1	7.3	8.1	0.0	0.0
12	2.1	4.2	5.5	0.0	0.0	0.0	0.0	0.0
13	1.9	2.6	4.1	5.3	8.1	0.0	0.0	0.0
14	2.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0
15	3.6	4.3	5.2	4.8	6.6	9.0	0.0	0.0
16	3.7	4.4	3.4	0.0	0.0	0.0	0.0	0.0
17	4.7S	3.4	4.3	6.6	9.4	8.2	10.7	10.1
18	2.5	3.4	3.7	5.3	6.4	0.0	0.0	0.0
19	2.5	2.6	3.7	4.2	6.6	6.0	10.2	7.3
20	3.3	3.7	5.5	5.5	0.0	0.0	0.0	0.0
21	3.4	3.5	5.5	5.5	8.4	0.0	0.0	0.0
22	0.0	15.0F	5.6	9.3	10.7	0.0	0.0	0.0
23	3.0	3.7	5.9	8.4	0.0	8.8	11.1	8.3
24	2.1	4.2	5.4	6.8	0.0	0.0	0.0	0.0
25	2.7	3.3	5.2	7.6	8.7	0.0	0.0	0.0
26	1.0	3.6	5.3	0.0	0.0	0.0	0.0	0.0
27	3.0	3.8	5.3	7.5	7.1	12.4	8.9	13.4
28	2.0	3.0	7.9	8.2	9.6	0.0	0.0	0.0
29	1.5	3.2	3.6	6.6	7.8	6.2	9.9	9.0
30	2.0	3.1	4.1	0.0	0.0	0.0	0.0	0.0
31	2.0	3.5	4.4	6.6	0.0	8.1	0.0	0.0
32	2.4	3.5	8.0F	0.0	0.0	0.0	0.0	0.0
33	2.2	3.5	8.2S	11.3F	13.2S	0.0	0.0	0.0
34	2.4	3.4	5.5	0.0	0.0	0.0	0.0	0.0
35	2.7	3.4	3.1	7.6	13.5F	11.4	0.0	0.0
36	1.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.5S	1.6	0.0	0.0	0.0	0.0	0.0	0.0
38	1.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
41	3.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	2.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	2.70	3.90	5.20	6.80	8.40	8.20	10.20	9.00
MEAN	3.56	4.25	5.42	7.01	8.85	8.74	10.16	9.62
NO 3S	31.00	31.00	25.00	17.00	14.00	9.00	5.00	5.00
SD	4.77	2.17	1.55	1.76	2.30	2.22	0.84	2.35
CV	133.93	51.11	28.60	25.13	26.02	25.42	8.28	24.39

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.70	3.85	5.20	6.80	8.10	8.20	10.20	9.00
MEAN	2.72	3.89	5.27	6.74	8.49	8.74	10.16	9.62
NO 3S	30.00	30.00	24.00	16.00	13.00	9.00	5.00	5.00
SD	0.89	0.88	1.41	1.42	1.95	2.22	0.84	2.35
CV	32.67	22.51	26.71	21.01	22.96	25.42	8.28	24.39

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.65	3.75	5.20	6.80	7.95	8.20	10.20	9.00
MEAN	2.72	3.91	5.15	6.74	8.10	8.74	10.16	9.62
NO 3S	28.00	28.00	23.00	16.00	12.00	9.00	5.00	5.00
SD	0.72	0.70	1.29	1.42	1.40	2.22	0.84	2.35
CV	25.42	18.02	25.10	21.01	17.31	25.42	8.28	24.39

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199, FIELD NUMBER 54, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.0	5.2	4.2	19.9	21.7	19.2	0.0	0.0
12	2.3	5.45	7.8	0.0	0.0	0.0	0.0	0.0
13	2.2	4.2	11.3F	20.7	3.0F	0.0	0.0	0.0
14	2.2	4.4	9.1	0.0	0.0	0.0	0.0	0.0
15	2.3	5.4	9.8	19.8	21.2	19.0	0.0	0.0
16	2.2	4.2	7.3	0.0	0.0	0.0	0.0	0.0
17	3.0	4.3	6.7	15.2	20.7	14.0	0.0	11.5
18	2.1	4.0	9.1	13.0	20.3	0.0	0.0	0.0
19	1.4	4.3	9.4	13.9	22.7	12.3	21.3	16.0
20	1.4	4.3	7.5	0.0	0.0	0.0	0.0	0.0
21	2.0	5.2	7.2	14.7	21.3	0.0	0.0	0.0
22	2.2	5.1	0.0	12.0	20.1	0.0	0.0	0.0
23	2.7	4.0	6.5	10.8	21.7	14.1	20.0	18.4
24	1.0	4.0	7.0	7.3	17.45	0.0	0.0	0.0
25	2.4	4.3	0.0	15.5	19.2	0.0	0.0	0.0
26	2.1	3.3	5.8	0.0	0.0	0.0	0.0	0.0
27	2.8	3.0	4.9	10.4	19.7	14.6	21.4	24.0
28	2.4	3.4	5.8	8.1	20.3	0.0	0.0	0.0
29	2.2	5.0	6.4	17.4	21.9	15.2	22.1	0.0
30	2.5	3.7	6.5	0.0	0.0	0.0	0.0	0.0
31	2.7	4.1	6.3	11.9	21.2	17.5	0.0	0.0
32	1.7	3.6	5.7	0.0	0.0	0.0	0.0	0.0
33	2.1	5.2	7.4	15.9	21.0	0.0	0.0	0.0
34	1.7	4.5F	8.7	0.0	0.0	0.0	0.0	0.0
35	1.8	2.7F	4.9	9.3	18.7	17.0	0.0	0.0
36	2.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0
37	2.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0
38	1.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0
39	2.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
40	2.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0
41	1.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0
42	2.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
43	2.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0
44	2.3	5.2F	0.0	0.0	0.0	0.0	0.0	0.0
45	1.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	NO	NO	NO	NO	SKEW	NO	NO	SKEW

FIRST ITERATION

MODE	2.30	4.30	7.30	15.20	20.70	17.00	21.35	18.20
MEAN	2.33	4.49	7.43	14.39	19.45	16.43	21.35	17.97
NOBS	35.00	35.00	23.00	17.00	17.00	9.00	4.00	4.00
SD	0.42	0.70	1.02	4.06	4.46	2.64	0.61	5.11
CV	17.97	17.78	21.00	28.19	22.73	16.06	2.87	28.44

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.30	4.30	7.25	15.20	20.50	17.00	21.35	18.20
MEAN	2.33	4.49	7.25	14.39	20.58	16.43	21.35	17.97
NOBS	35.00	33.00	22.00	17.00	16.00	9.00	4.00	4.00
SD	0.42	0.70	1.42	4.06	1.36	2.64	0.61	5.11
CV	17.97	15.52	19.57	28.19	6.62	16.06	2.87	28.44

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.30	4.25	7.25	15.20	20.30	17.00	21.35	18.20
MEAN	2.33	4.45	7.25	14.39	20.79	16.43	21.35	17.97
NOBS	35.00	32.00	22.00	17.00	15.00	9.00	4.00	4.00
SD	0.42	0.60	1.42	4.06	1.10	2.64	0.61	5.11
CV	17.97	14.84	19.57	28.19	5.31	16.06	2.87	28.44

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA. 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 199. FIELD NUMBER 55. CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.0	3.3	6.2	10.6	14.8	8.5	0.0	0.0
12	3.7	5.4	7.3	0.0	0.0	0.0	0.0	0.0
13	4.6	6.0	11.7F	11.7	15.8	0.0	0.0	0.0
14	4.0	7.0	9.2	0.0	0.0	0.0	0.0	0.0
15	3.7	6.9	9.5	13.2	16.4	8.1	0.0	0.0
16	2.2	3.0	6.2	0.0	0.0	0.0	0.0	0.0
17	0.85	1.4	2.9	6.1	9.4	10.0	8.6	8.9
18	2.0	7.1	6.3	9.7	14.7	0.0	0.0	0.0
19	5.15	4.6F	12.0F	12.3	15.3	13.5F	16.3	13.3
20	6.3F	6.7	8.6	0.0	0.0	0.0	0.0	0.0
21	3.0	3.5	6.1	12.2	14.5	0.0	0.0	0.0
22	2.8	3.0	4.2	4.9	9.4	0.0	0.0	0.0
23	3.6	5.4	8.3	9.4	14.4	7.1	11.5	11.2
24	3.0	4.8	6.7	6.9	13.2	0.0	0.0	0.0
25	3.8	8.0	7.2	8.2	12.9	0.0	0.0	0.0
26	1.7	1.4	2.4	0.0	0.0	0.0	0.0	0.0
27	2.1	2.1	5.3	6.8	8.3	8.0	8.4	7.7
28	1.2	2.9	4.4	7.0	7.2	0.0	0.0	0.0
29	2.5	3.0	3.3	7.5	10.2	9.4	9.3	14.1
30	1.7	2.1	3.3	0.0	0.0	0.0	0.0	0.0
31	3.8	6.1	7.2	8.0	8.4	8.9	0.0	0.0
32	2.0	4.3	6.1	0.0	0.0	0.0	0.0	0.0
33	2.9	4.7	6.5	7.3	8.6	0.0	0.0	0.0
34	1.8	2.2	4.2	0.0	0.0	0.0	0.0	0.0
35	2.3	0.0	7.3	8.0	4.8	9.1	0.0	0.0
36	3.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0
37	3.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0
38	3.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0
39	3.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
40	2.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0
41	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
42	2.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0
43	4.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0
44	5.15	6.1	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	SKW	YES	NO	NO	NO

FIRST ITERATION

MODE	3.00	4.80	6.30	8.00	12.90	8.90	9.30	11.20
MEAN	3.06	4.78	6.52	8.82	11.99	9.18	10.84	11.04
NOBS	34.00	33.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	1.18	2.01	2.47	2.45	3.16	1.83	3.31	2.75
CV	38.48	42.06	37.97	27.81	26.34	19.95	30.50	24.90

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.00	4.75	6.20	8.00	12.90	8.70	9.30	11.20
MEAN	2.96	4.65	6.05	8.82	11.99	8.64	10.84	11.04
NOBS	33.00	32.00	23.00	17.00	17.00	8.00	5.00	5.00
SD	1.04	1.89	1.97	2.45	3.16	0.91	3.31	2.75
CV	35.27	40.73	32.48	27.81	26.34	10.54	30.50	24.90

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.90	4.75	6.20	8.00	12.90	8.70	9.30	11.20
MEAN	2.89	4.65	6.05	8.82	11.99	8.64	10.84	11.04
NOBS	30.00	32.00	23.00	17.00	17.00	8.00	5.00	5.00
SD	0.85	1.89	1.97	2.45	3.16	0.91	3.31	2.75
CV	29.39	40.73	32.48	27.81	26.34	10.54	30.50	24.90

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 23, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 28, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH INTERVAL, CM.					0-15	15-30	30-45
	0-1	1-2	2-5	5-9	9-15			
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	16.3	15.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	0.0	16.30	19.40
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	16.30	18.30
NUMS	0.0	0.0	0.0	0.0	0.0	0.0	1.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.85

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.40
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.30
NUMS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.85

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.40
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.30
NUMS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.85

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1974 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 29, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	8.7	7.7	8.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	8.2	4.5	8.7
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	7.9	4.5	10.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	SKEW	NO	NO

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	7.90	8.45	9.00
MEAN	0.0	0.0	0.0	0.0	0.0	7.60	7.80	9.15
NOBS	0.0	0.0	0.0	0.0	0.0	3.00	4.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	1.25	2.37	0.72
CV	0.0	0.0	0.0	0.0	0.0	16.80	30.43	7.85

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	7.90	8.45	9.00
MEAN	0.0	0.0	0.0	0.0	0.0	7.60	7.80	9.15
NOBS	0.0	0.0	0.0	0.0	0.0	3.00	4.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	1.25	2.37	0.72
CV	0.0	0.0	0.0	0.0	0.0	16.80	30.43	7.85

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	7.90	8.45	9.00
MEAN	0.0	0.0	0.0	0.0	0.0	7.60	7.80	9.15
NOBS	0.0	0.0	0.0	0.0	0.0	3.00	4.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	1.25	2.37	0.72
CV	0.0	0.0	0.0	0.0	0.0	16.80	30.43	7.85

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 30, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FIRST ITERATION

MEAN	0.0	0.0	0.0	0.0	7.95	5.80	9.30	7.60
SD	0.0	0.0	0.0	0.0	2.00	2.00	5.00	4.00
CV	0.0	0.0	0.0	0.0	1.34	0.57	1.97	2.28

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MEAN	0.0	0.0	0.0	0.0	7.95	5.80	9.30	7.60
SD	0.0	0.0	0.0	0.0	2.00	2.00	5.00	4.00
CV	0.0	0.0	0.0	0.0	1.34	0.57	1.97	2.28

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MEAN	0.0	0.0	0.0	0.0	7.95	5.80	9.30	7.60
SD	0.0	0.0	0.0	0.0	2.00	2.00	5.00	4.00
CV	0.0	0.0	0.0	0.0	1.34	0.57	1.97	2.28

A AMBULOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1976 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 31, CROP - MILU

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	15.2	13.5	11.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	2.7A	15.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	14.8	17.5	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	NO	NO	NO	SKEN

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	12.05	11.40	11.20
MEAN	0.0	0.0	0.0	0.0	0.0	11.45	11.08	11.77
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	5.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	4.17	5.43	3.19
CV	0.0	0.0	0.0	0.0	0.0	36.45	49.02	27.09

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	12.05	11.40	11.20
MEAN	0.0	0.0	0.0	0.0	0.0	11.45	11.08	11.77
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	5.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	4.17	5.43	3.19
CV	0.0	0.0	0.0	0.0	0.0	36.45	49.02	27.09

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	12.05	11.40	11.20
MEAN	0.0	0.0	0.0	0.0	0.0	11.45	11.08	11.77
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	5.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	4.17	5.43	3.19
CV	0.0	0.0	0.0	0.0	0.0	36.45	49.02	27.09

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 37, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	17.6	19.7	15.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	22.0	19.0	18.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	8.6 A	11.3 A	12.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	SKEW	SKEW	NO

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	24.30	19.10	19.50	18.20
MEAN	0.0	0.0	0.0	0.0	24.30	17.20	18.14	17.70
NOBS	0.0	0.0	0.0	0.0	1.00	4.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	6.02	3.91	3.76
CV	0.0	0.0	0.0	0.0	0.0	35.00	21.56	21.27

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	19.10	19.50	18.20
MEAN	0.0	0.0	0.0	0.0	0.0	17.20	18.14	17.70
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	6.02	3.91	3.76
CV	0.0	0.0	0.0	0.0	0.0	35.00	21.56	21.27

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	19.10	19.50	18.20
MEAN	0.0	0.0	0.0	0.0	0.0	17.20	18.14	17.70
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	6.02	3.91	3.76
CV	0.0	0.0	0.0	0.0	0.0	35.00	21.56	21.27

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 38, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	14.7	7.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	5.2	5.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	4.7	0.0	9.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	10.9	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	6.70	6.30	7.20
MEAN	0.0	0.0	0.0	0.0	0.0	6.95	6.58	7.22
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	2.10	4.04	1.95
CV	0.0	0.0	0.0	0.0	0.0	30.15	47.70	26.99

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	6.70	6.30	7.20
MEAN	0.0	0.0	0.0	0.0	0.0	6.96	6.58	7.22
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	2.10	4.04	1.95
CV	0.0	0.0	0.0	0.0	0.0	30.15	47.70	26.99

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	6.70	6.30	7.20
MEAN	0.0	0.0	0.0	0.0	0.0	6.96	6.58	7.22
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	2.10	4.04	1.95
CV	0.0	0.0	0.0	0.0	0.0	30.15	47.70	26.99

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200, FIELD NUMBER 43, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	12.5	12.1	12.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	14.0	14.0	15.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	11.1	10.0	9.6
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	6.3 A	11.1	12.1
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	11.80	13.05	12.10
MEAN	0.0	0.0	0.0	0.0	0.0	11.20	13.30	12.18
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	3.62	2.16	2.33
CV	0.0	0.0	0.0	0.0	0.0	32.36	16.28	19.09

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	11.80	13.05	12.10
MEAN	0.0	0.0	0.0	0.0	0.0	11.20	13.30	12.18
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	3.62	2.16	2.33
CV	0.0	0.0	0.0	0.0	0.0	32.36	16.28	19.09

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	11.80	13.05	12.10
MEAN	0.0	0.0	0.0	0.0	0.0	11.20	13.30	12.18
NOBS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	3.62	2.16	2.33
CV	0.0	0.0	0.0	0.0	0.0	32.36	16.28	19.09

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 200. FIELD NUMBER 44. CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	6.65	7.40	7.10
MEAN	0.0	0.0	0.0	0.0	0.0	6.80	8.10	7.40
NOHS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	1.46	0.79	1.87
CV	0.0	0.0	0.0	0.0	0.0	28.84	9.72	25.25

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	6.65	7.90	7.10
MEAN	0.0	0.0	0.0	0.0	0.0	6.80	8.10	7.40
NOHS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	1.46	0.79	1.87
CV	0.0	0.0	0.0	0.0	0.0	28.84	9.72	25.25

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	6.65	7.90	7.10
MEAN	0.0	0.0	0.0	0.0	0.0	6.80	8.10	7.40
NOHS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	3.00
SD	0.0	0.0	0.0	0.0	0.0	1.46	0.79	1.87
CV	0.0	0.0	0.0	0.0	0.0	28.84	9.72	25.25

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA. 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201. FIELD NUMBER 1. CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	27.1	25.4	32.0	16.45	17.4	24.3	0.0	0.0
12	26.7	20.55	20.8	0.0	0.0	0.0	0.0	0.0
13	29.0	28.1	27.3	21.7	16.2	0.0	0.0	0.0
14	32.5	30.7	24.5	0.0	0.0	0.0	0.0	0.0
15	24.4	25.0	26.4	25.5	20.3	23.4	0.0	0.0
16	24.3	24.0	40.4F	0.0	0.0	0.0	0.0	0.0
17	24.0	24.4	31.6	27.6	21.4	24.4	15.4	15.0
18	33.7	33.3	31.4	31.7	31.15	0.0	0.0	0.0
19	32.1	30.3	30.4	24.8	28.6	24.5	21.5	17.2
20	24.1	26.0	25.0	0.0	0.0	0.0	0.0	0.0
21	23.8	26.4	23.0	19.4	10.8	0.0	0.0	0.0
22	33.4	31.9	31.0	30.4	26.4	0.0	0.0	0.0
23	22.5	28.4	28.2	26.1	24.7	28.5	22.7	20.8
24	22.5	27.0	25.0	23.7	22.5	0.0	0.0	0.0
25	34.5F	34.0	32.7	28.4	24.6	0.0	0.0	0.0
26	24.7	21.4	19.35	0.0	0.0	0.0	0.0	0.0
27	30.4	27.6	27.7	26.4	17.4	20.2	14.0	15.0
28	29.0	29.4	29.2	29.7	21.6	0.0	0.0	0.0
29	28.3	24.1	27.7	26.1	25.0	24.1	23.5	20.4
30	36.25	34.6	35.0	0.0	0.0	0.0	0.0	0.0
31	25.25	25.3	26.0	25.2	16.4	22.1	0.0	0.0
32	25.3	23.2	26.1	0.0	0.0	0.0	0.0	0.0
33	27.6	25.8	21.5	14.8	18.4	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	24.8	17.3F	12.3F	11.2F	9.0F	25.5	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	SKEW	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	28.45	27.30	27.70	26.10	21.60	24.80	21.60	17.20
MEAN	29.48	27.44	27.65	24.74	21.16	25.06	19.52	17.78
NOBS	24.00	24.00	24.00	17.00	17.00	4.00	5.00	5.00
SD	3.62	4.17	6.67	5.47	5.38	1.90	4.32	2.94
CV	12.24	15.21	24.13	22.10	25.40	7.57	22.12	16.55

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	28.90	27.00	27.50	25.80	20.95	24.80	21.60	17.20
MEAN	29.05	27.06	27.50	25.59	21.92	25.06	19.52	17.78
NOBS	23.00	23.00	22.00	16.00	16.00	9.00	5.00	5.00
SD	2.94	3.65	4.56	4.35	4.51	1.90	4.32	2.94
CV	10.30	13.10	16.58	16.99	20.58	7.57	22.12	16.55

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	28.85	26.90	27.30	25.50	20.30	24.80	21.60	17.20
MEAN	28.72	28.21	28.08	26.20	21.31	25.06	19.52	17.78
NOBS	22.00	22.00	21.00	15.00	15.00	9.00	5.00	5.00
SD	2.61	3.36	3.74	3.72	3.92	1.90	4.32	2.94
CV	9.10	11.90	13.33	14.19	18.41	7.57	22.12	16.55

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 2, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	21.5	20.4	14.6	15.3	15.2	14.4A	0.0	0.0
12	17.4F	31.4	13.4F	0.0	0.0	0.0	0.0	0.0
13	22.1	20.4	15.75	10.3	13.7	0.0	0.0	0.0
14	23.3	21.1	18.5	0.0	0.0	0.0	0.0	0.0
15	27.0	26.4	25.3	22.4	20.2	23.4	0.0	0.0
16	24.8	25.1	23.7	0.0	0.0	0.0	0.0	0.0
17	25.1	23.0	22.7	21.2	20.1	20.9	15.3	20.0
18	33.25	30.0	30.5	24.0	25.3	0.0	0.0	0.0
19	28.2	30.0	31.2	25.2	20.8	25.1	17.2	14.4
20	28.4	27.1	26.4	0.0	0.0	0.0	0.0	0.0
21	26.5	26.2	26.3	23.4	14.3	0.0	0.0	0.0
22	26.7	26.5	25.0	0.0	0.0	0.0	0.0	0.0
23	26.2	30.4	24.4	19.0	24.4	24.5	16.0	14.5
24	27.3	25.0	25.0	23.5	23.0	0.0	0.0	0.0
25	28.9	24.0	24.1	26.6	24.4	0.0	0.0	0.0
26	25.1	21.4	17.5	0.0	0.0	0.0	0.0	0.0
27	25.1	24.2	23.4	14.0	18.5	20.7	17.1	16.4
28	27.0	26.0	26.6	26.2	23.8	0.0	0.0	0.0
29	28.1	26.0	23.4	24.3	14.0	21.0	15.1	15.4
30	24.6	26.2	24.5	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	SKW	NO	NO	SKW	NO

FIRST ITERATION

MODE	26.60	26.20	24.40	23.90	20.20	21.00	16.00	15.90
MEAN	26.24	26.04	23.42	22.72	20.55	21.43	16.14	16.34
NOBS	20.00	20.00	20.00	13.00	13.00	7.00	5.00	5.00
SD	3.52	3.38	4.45	4.05	4.33	3.59	0.94	2.18
CV	13.40	12.96	20.29	17.80	21.05	16.74	6.03	13.36

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	26.50	26.20	24.50	23.90	20.20	21.00	16.00	15.90
MEAN	26.73	26.04	24.47	22.72	20.55	21.43	16.14	16.34
NOBS	19.00	20.00	14.00	13.00	13.00	7.00	5.00	5.00
SD	2.98	3.38	4.32	4.05	4.33	3.59	0.98	2.18
CV	11.15	12.96	17.65	17.80	21.05	16.74	6.08	13.36

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	26.35	26.20	24.20	23.90	20.20	21.00	16.00	15.90
MEAN	26.54	26.04	24.45	22.72	20.55	21.43	16.14	16.34
NOBS	18.00	20.00	18.00	13.00	13.00	7.00	5.00	5.00
SD	2.64	3.38	3.57	4.05	4.33	3.59	0.94	2.18
CV	10.01	12.96	15.50	17.80	21.05	16.74	6.08	13.36

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	30.2	32.3	32.3	30.2	28.4	31.2	0.0	0.0
12	40.5F	38.0S	40.7S	0.0	0.0	0.0	0.0	0.0
13	31.7	40.2F	41.4F	33.0	30.7F	0.0	0.0	0.0
14	31.5	32.7	34.6	0.0	0.0	0.0	0.0	0.0
15	31.7	31.1	28.4	31.3	25.0	27.4	0.0	0.0
16	33.3	35.4	35.9	0.0	0.0	0.0	0.0	0.0
17	33.0	29.2	29.2	20.7	17.3	17.7	15.1	10.6
18	29.5	26.2	27.4	24.7	19.3	0.0	0.0	0.0
19	34.5	33.4	32.7	34.2	24.4	30.7	14.7	12.1
20	35.4	33.5	34.5	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	24.0	23.4	23.8	0.0	0.0	0.0	0.0	0.0
27	17.2F	23.9	21.1	20.4	20.7	27.5	14.6	15.3
28	22.7	22.8	24.5	25.1	26.0	0.0	0.0	0.0
29	24.5	21.2	21.0	21.1	18.7	17.9	17.5	15.7
30	24.4	25.6	24.3	0.0	0.0	0.0	0.0	0.0
31	30.2	30.3	28.7	25.6	23.2	29.1	0.0	0.0
32	24.0	22.7	21.5	20.0	0.0	0.0	0.0	0.0
33	23.0	24.0	23.3	24.0	24.4	0.0	0.0	0.0
34	22.9	23.4	21.2	0.0	0.0	0.0	0.0	0.0
35	25.1	28.2	26.0	25.1	19.6	18.7	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	31.8	29.3	0.0	0.0	0.0	0.0	0.0	0.0
39	21.2	22.0	0.0	0.0	0.0	0.0	0.0	0.0
40	20.2	23.0	0.0	0.0	0.0	0.0	0.0	0.0
41	27.4	24.4	0.0	0.0	0.0	0.0	0.0	0.0
42	21.4	23.5	0.0	0.0	0.0	0.0	0.0	0.0
43	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	24.7	31.4	0.0	0.0	0.0	0.0	0.0	0.0
45	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKEW	SKEW	NO	SKEW	NO	NO

FIRST ITERATION								
MODE	27.90	27.20	26.80	25.10	24.35	27.70	16.30	15.90
MEAN	24.41	24.27	25.55	26.28	24.14	25.10	16.57	15.92
NOBS	20.00	20.00	20.00	12.00	12.00	8.00	4.00	4.00
SD	5.56	5.33	6.40	4.79	5.51	5.44	2.11	0.56
CV	19.56	19.04	22.47	18.21	22.78	23.66	12.71	3.49

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	26.80	26.20	26.20	25.10	23.80	27.70	16.30	15.90
MEAN	26.37	27.79	27.82	26.28	23.05	25.10	16.57	15.92
NOBS	26.00	25.00	19.00	12.00	11.00	8.00	4.00	4.00
SD	4.71	4.90	5.74	4.79	4.04	5.44	2.11	0.56
CV	16.59	17.63	20.82	18.21	17.53	23.56	12.71	3.49

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	26.80	25.90	26.10	25.10	23.80	27.70	16.30	15.90
MEAN	26.37	27.34	27.11	26.28	23.05	25.10	16.57	15.92
NOBS	26.00	24.00	18.00	12.00	11.00	8.00	4.00	4.00
SD	4.71	4.44	5.02	4.79	4.04	5.44	2.11	0.56
CV	16.59	16.25	18.53	18.21	17.53	23.66	12.71	3.49

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 4, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	21.6	19.8	2-5	7.0	9.3	11.0	0.0	0.0
12	19.4	14.75	14.1	0.0	0.0	0.0	0.0	0.0
13	22.0	17.0	7.2	0.0	0.0	0.0	0.0	0.0
14	21.1	20.4	5.6	10.4F	9.6	0.0	0.0	0.0
15	19.6	18.7	10.6	0.0	0.0	0.0	0.0	0.0
16	23.2	20.9	9.2	5.7	7.6	7.2	0.0	0.0
17	21.0	20.1	8.3	0.0	0.0	0.0	0.0	0.0
18	19.5	19.2	4.5	8.1	10.6	11.7	13.2	13.1
19	19.1	19.7	11.1	6.2	8.9	0.0	0.0	0.0
20	20.0	19.2	8.5	8.2F	8.6	9.1	13.0	13.2
21	20.2	12.2F	15.2	0.0	0.0	0.0	0.0	0.0
22	20.2	14.55	7.2	7.4	8.9	0.0	0.0	0.0
23	23.3	18.7	7.4	0.5	8.4	0.0	0.0	0.0
24	24.2	19.4	7.5	0.0	8.3	7.7	13.1	14.6
25	24.0	19.2	9.5	8.7	8.4	0.0	0.0	0.0
26	20.4	20.0	7.6	8.5	9.7	0.0	0.0	0.0
27	22.6	21.7	10.2	0.0	0.0	0.0	0.0	0.0
28	22.1	21.4	18.0	7.5	10.6	11.4	12.5	14.2
29	23.4	21.5	12.2	8.0	8.1	0.0	0.0	0.0
30	23.4	21.4	18.6	7.0	8.7	11.8	13.4	14.9
31	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	22.2	19.8	0.0	0.0	0.0	0.0	0.0	0.0
37	20.7	18.6	0.0	0.0	0.0	0.0	0.0	0.0
38	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	22.3	17.5	0.0	0.0	0.0	0.0	0.0	0.0
40	20.7	20.3	0.0	0.0	0.0	0.0	0.0	0.0
41	22.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0
42	23.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0
43	21.5	15.7	0.0	0.0	0.0	0.0	0.0	0.0
44	23.5	23.4	0.0	0.0	0.0	0.0	0.0	0.0
45	22.5	22.1	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	MEAN	NO	MEAN	NO	MEAN	MEAN	NO	MEAN

FIRST ITERATION

MEAN	22.15	19.70	9.55	6.60	8.80	11.00	13.10	14.20
MEAN	21.91	19.26	10.83	6.84	8.98	9.99	13.04	14.00
NO 35	10.00	20.00	20.00	14.00	14.00	7.00	5.00	5.00
SD	1.33	2.50	4.27	1.32	0.89	1.90	0.34	0.82
CV	6.04	12.96	39.47	19.27	9.92	19.62	2.58	5.83

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MEAN	22.15	19.65	9.55	6.50	8.80	11.00	13.10	14.20
MEAN	21.91	19.51	10.83	6.57	8.98	9.99	13.04	14.00
NO 35	10.00	20.00	20.00	13.00	14.00	7.00	5.00	5.00
SD	1.33	2.13	4.27	0.86	0.89	1.90	0.34	0.82
CV	6.04	10.93	39.47	13.16	9.92	19.62	2.58	5.83

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MEAN	22.15	19.50	9.55	6.50	8.80	11.00	13.10	14.20
MEAN	21.91	19.89	10.83	6.72	8.98	9.99	13.04	14.00
NO 35	10.00	20.00	20.00	12.00	14.00	7.00	5.00	5.00
SD	1.33	1.88	4.27	0.71	0.89	1.90	0.34	0.82
CV	6.04	8.46	39.47	10.60	9.92	19.62	2.58	5.83

4 40404005 POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	23.7	14.3	5.2	5.3	6.2	7.9	0.0	0.0
12	18.1	14.3	5.2	0.0	0.0	0.0	0.0	0.0
13	25.6	10.7	6.5	6.4	6.5	0.0	0.0	0.0
14	21.4	7.0	6.3	0.0	0.0	0.0	0.0	0.0
15	22.9	8.5	6.1	6.8	7.0	6.3	0.0	0.0
16	20.5	15.4	7.6	0.0	0.0	0.0	0.0	0.0
17	25.4	14.4	15.4F	4.7	5.8	7.5	7.1	8.0
18	24.2S	21.1	13.1S	5.4	7.4	0.0	0.0	0.0
19	31.1F	14.0	11.0	4.4	5.3S	4.3	72.3A	7.3
20	12.8	14.7	5.6	0.0	0.0	0.0	0.0	0.0
21	12.3F	18.3	7.9	7.0	6.3	0.0	0.0	0.0
22	17.5	8.7	16.3F	5.8	6.8	0.0	0.0	0.0
23	17.5	4.6	3.9	7.0	6.5	8.9	6.9	7.5
24	19.7	7.2	5.7	8.5F	7.1	0.0	0.0	0.0
25	17.9	5.6	5.2	6.4	7.3	0.0	0.0	0.0
26	18.3	16.2	7.4	0.0	0.0	0.0	0.0	0.0
27	27.5	18.8	9.6	6.8	7.6	0.0	7.3	7.2
28	27.4	20.2	10.2	6.2	7.4	0.0	0.0	0.0
29	22.2	20.5	11.0	5.2	6.2	10.9	7.2	1.4A
30	26.6	20.2	4.5	0.0	0.0	0.0	0.0	0.0
31	18.1	7.4	7.2	5.0	6.6	12.5	0.0	0.0
32	16.2	7.4	5.7	0.0	0.0	0.0	0.0	0.0
33	23.8	11.2	0.0	6.4	11.7F	0.0	0.0	0.0
34	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
35	16.4	5.1	5.7	6.3	6.9	7.1	0.0	0.0
36	20.5	19.7	0.0	0.0	0.0	0.0	0.0	0.0
37	23.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
38	21.1	11.3	0.0	0.0	0.0	0.0	0.0	0.0
39	22.5	23.1	0.0	0.0	0.0	0.0	0.0	0.0
40	22.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0
41	21.2	17.7	0.0	0.0	0.0	0.0	0.0	0.0
42	17.6	14.4	0.0	0.0	0.0	0.0	0.0	0.0
43	14.5	17.9	0.0	0.0	0.0	0.0	0.0	0.0
44	13.4	13.3	0.0	0.0	0.0	0.0	0.0	0.0
45	17.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKEW	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	20.80	14.30	6.40	6.40	6.80	7.90	7.20	7.30
MEAN	20.79	13.50	7.80	6.21	6.92	6.50	20.16	6.28
NO.45	34.00	35.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	4.84	5.88	3.41	0.98	1.36	2.03	29.15	2.75
CV	23.29	43.54	43.68	15.72	19.52	23.57	144.58	43.72

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	20.50	14.30	6.20	6.35	6.70	7.90	7.20	7.30
MEAN	20.85	13.50	7.07	6.07	6.68	6.60	20.16	6.28
NO.45	32.00	35.00	22.00	16.00	16.00	9.00	5.00	5.00
SD	4.06	5.88	2.45	0.80	0.63	2.03	29.15	2.75
CV	19.47	43.54	34.56	13.25	9.44	23.57	144.58	43.72

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	20.50	14.30	6.10	6.35	6.60	7.90	7.20	7.30
MEAN	20.58	13.50	6.79	6.07	6.77	6.60	20.16	6.28
NO.45	31.00	35.00	21.00	16.00	15.00	9.00	5.00	5.00
SD	3.43	5.88	2.09	0.80	0.53	2.03	29.15	2.75
CV	16.59	43.54	30.84	13.25	7.82	23.57	144.58	43.72

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	23.0	19.5F	13.5F	9.6	17.6	20.1	15.0	0.0
12	25.4	23.5	20.0	0.0	0.0	0.0	0.0	0.0
13	27.6	25.4	23.7	9.9	20.4	0.0	0.0	0.0
14	25.7	24.1	18.4	0.0	0.0	0.0	0.0	0.0
15	25.7	24.6	20.6	16.8	19.4	21.2	0.0	0.0
16	28.8	28.75	28.8	0.0	0.0	0.0	0.0	0.0
17	26.5	24.4	23.9	5.8	11.4	18.1	16.8	15.4
18	23.9	22.0	23.9	7.4	14.8	0.0	0.0	0.0
19	24.4	21.9	21.4	16.4	21.3	17.2	20.2	19.3
20	23.5	23.9	13.5F	0.0	0.0	0.0	0.0	0.0
21	26.4	26.3	24.7	15.7	14.4	0.0	0.0	0.0
22	23.2	22.3	21.2	13.7	15.8	0.0	0.0	0.0
23	20.8F	21.2	22.4	12.7	20.6	17.2	19.5	17.4
24	20.7F	20.45	17.4	6.9	20.3	0.0	0.0	0.0
25	22.4	23.6	20.1	21.4	10.2	0.0	0.0	0.0
26	26.9	27.1	24.8	0.0	0.0	0.0	0.0	0.0
27	25.3	24.8	24.2	13.5	13.3	17.4	17.4	14.7
28	26.6	24.9	21.6	20.8	20.9	0.0	0.0	0.0
29	24.4	24.7	22.2	12.5	13.7	18.3	20.9	20.9
30	23.4	22.4	19.5	0.0	0.0	0.0	0.0	0.0
31	25.0	25.1	21.7	7.7	17.9	18.4	0.0	0.0
32	25.3	26.5	21.3	0.0	0.0	0.0	0.0	0.0
33	28.1	25.0	24.0	11.1	17.1	0.0	0.0	0.0
34	25.7	25.55	22.5	0.0	0.0	0.0	0.0	0.0
35	27.8	25.7	15.85	8.6	15.4	17.9	0.0	0.0
36	26.4	26.4	0.0	0.0	0.0	0.0	0.0	0.0
37	26.3	25.7	0.0	0.0	0.0	0.0	0.0	0.0
38	27.1	25.7	0.0	0.0	0.0	0.0	0.0	0.0
39	24.5	22.6	0.0	0.0	0.0	0.0	0.0	0.0
40	27.1	24.4	0.0	0.0	0.0	0.0	0.0	0.0
41	27.7	25.3	0.0	0.0	0.0	0.0	0.0	0.0
42	23.4	24.3	0.0	0.0	0.0	0.0	0.0	0.0
43	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	27.5	29.1F	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKEW	NO	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	25.85	24.50	21.60	12.50	17.10	18.30	19.50	17.90
MEAN	25.48	24.39	21.09	12.37	16.76	18.64	19.38	17.64
NOHS	34.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	1.98	2.10	3.48	4.68	3.45	1.30	1.57	2.60
CV	7.76	8.68	16.43	37.82	20.58	7.00	8.09	14.75

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	25.75	24.50	21.40	12.50	17.10	18.30	19.50	17.90
MEAN	25.77	24.39	21.74	12.37	16.76	18.64	19.38	17.64
NOHS	32.00	32.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	1.62	1.87	2.74	4.68	3.45	1.30	1.57	2.60
CV	6.29	7.65	12.58	37.82	20.58	7.00	8.09	14.76

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	25.75	24.30	21.35	12.50	17.10	18.30	19.50	17.90
MEAN	25.77	24.52	22.01	12.37	16.76	18.64	19.38	17.64
NOHS	32.00	29.00	22.00	17.00	17.00	9.00	5.00	5.00
SD	1.62	1.44	2.47	4.68	3.45	1.30	1.57	2.60
CV	6.29	5.35	11.20	37.82	20.58	7.00	8.09	14.76

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 7, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	17.3	18.0	13.0	10.15	10.3	11.4	0.0	0.0
12	14.3	14.1	9.8	0.0	0.0	0.0	0.0	0.0
13	19.3	18.3	12.2	5.8	7.9	0.0	0.0	0.0
14	18.3	15.7	7.6	0.0	0.0	0.0	0.0	0.0
15	17.0	14.4	14.7	7.0	9.0	9.7	0.0	0.0
16	19.6	14.95	5.1	0.0	0.0	0.0	0.0	0.0
17	20.6	14.2	10.3	4.9	15.15	14.2	15.0	0.0
18	21.4	20.7	8.0	5.5	7.3	0.0	0.0	0.0
19	14.0	15.3	5.4	5.7	6.4	8.3	10.0	10.5
20	14.4	15.3	5.4	0.0	0.0	0.0	0.0	0.0
21	15.0	18.3	14.2	5.8	7.4	0.0	0.0	0.0
22	14.6	14.4	14.2	6.3	6.3	0.0	0.0	0.0
23	20.1	20.0	6.7	4.3	8.2	10.7	9.5	9.1
24	20.3	19.0	16.6	4.2	9.0	0.0	0.0	0.0
25	20.2	18.9	9.2	5.9	5.6	0.0	0.0	0.0
26	16.1	18.4	15.0	0.0	0.0	0.0	0.0	0.0
27	21.5	20.4	10.3	5.4	9.1	8.4	10.0	9.3
28	21.5	19.4	19.8	8.4	6.8	0.0	0.0	0.0
29	21.2	20.4	20.6	7.8	7.5	12.2	10.0	10.0
30	21.2	20.4	13.5	0.0	0.0	0.0	0.0	0.0
31	22.3	21.5	20.4	22.7	14.35	7.5	0.0	0.0
32	22.5	21.1	17.1	7.4	17.4	0.0	0.0	0.0
33	19.5	23.1	11.4	0.0	0.0	0.0	0.0	0.0
34	14.5	17.0	7.1	0.0	7.9	10.9	0.0	0.0
35	14.7	20.5	0.0	0.0	0.0	0.0	0.0	0.0
36	21.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0
37	19.1	16.7	0.0	0.0	0.0	0.0	0.0	0.0
38	14.4	14.3	0.0	0.0	0.0	0.0	0.0	0.0
39	20.4	20.6	0.0	0.0	0.0	0.0	0.0	0.0
40	20.1	20.2	0.0	0.0	0.0	0.0	0.0	0.0
41	16.4	17.6	0.0	0.0	0.0	0.0	0.0	0.0
42	17.5	17.6	0.0	0.0	0.0	0.0	0.0	0.0
43	20.4	14.45	0.0	0.0	0.0	0.0	0.0	0.0
44	20.9	20.1	0.0	0.0	0.0	0.0	0.0	0.0
45	20.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	SKEW	NO	SKEW	NO

FIRST ITERATION								
MODE	19.70	19.40	11.40	5.40	7.90	10.70	10.60	9.55
MEAN	19.73	18.97	12.19	7.25	9.03	10.37	11.14	9.72
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	4.00
SD	2.47	2.02	4.87	4.25	3.41	2.13	2.21	0.64
CV	12.36	10.66	39.94	58.69	37.76	20.55	19.81	6.63

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	19.60	19.35	11.90	5.85	7.70	10.70	10.60	9.65
MEAN	19.69	18.81	12.19	6.28	8.51	10.37	11.14	9.72
NOBS	32.00	34.00	25.00	16.00	16.00	9.00	5.00	4.00
SD	1.41	1.42	4.87	1.54	2.73	2.13	2.21	0.64
CV	7.16	10.19	39.94	24.57	32.05	20.55	19.81	6.63

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	19.60	19.25	11.90	5.80	7.45	10.70	10.60	9.65
MEAN	19.69	19.06	12.19	6.03	7.62	10.37	11.14	9.72
NOBS	32.00	32.00	25.00	15.00	14.00	9.00	5.00	4.00
SD	1.41	1.69	4.87	1.20	1.34	2.13	2.21	0.64
CV	7.16	8.88	39.94	19.92	17.64	20.55	19.81	6.63

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-13	0-15	15-30	30-45
11	23.6	10.5	5.6	6.7	7.1	7.7	0.0	0.0
12	21.4	19.6	7.5	0.0	0.0	0.0	0.0	0.0
13	23.6	21.2	6.2	5.9	8.8	0.0	0.0	0.0
14	24.3	2.0	7.0	0.0	0.0	0.0	0.0	0.0
15	19.2	6.4	5.0	7.5	8.7	8.8	0.0	0.0
16	24.4	13.1	7.1	0.0	0.0	0.0	0.0	0.0
17	22.7	10.6	6.0	6.4	6.5F	7.8	8.9	10.0
18	21.6	15.2	4.4	5.6	7.4F	0.0	0.0	0.0
19	24.2	17.4	6.1	7.9	8.0	12.4F	10.2	10.7
20	20.1	17.7	6.2	0.0	0.0	0.0	0.0	0.0
21	20.1	13.0	6.5	6.1	7.3	0.0	0.0	0.0
22	14.7	10.0	5.1	5.3	7.5	0.0	0.0	0.0
23	23.3	21.5	10.1	5.6	8.1	8.9	9.0	9.1
24	26.1	9.8	4.4	8.0	8.4	0.0	0.0	0.0
25	13.9F	14.0	7.0	7.8	9.0	0.0	0.0	0.0
26	23.6F	19.2	7.2	0.0	0.0	0.0	0.0	0.0
27	19.1	15.5	5.5	7.4	8.4	8.3	8.9	10.5
28	22.4	15.2	5.5	6.9	7.9	0.0	0.0	0.0
29	25.6	15.4	5.5	7.1	8.6	10.2	7.6	8.4
30	14.4	0.0	7.0	0.0	0.0	0.0	0.0	0.0
31	21.3	11.4	5.3	6.7	8.0	9.2	0.0	0.0
32	23.1	15.8	7.2	0.0	0.0	0.0	0.0	0.0
33	19.1	21.4	9.0	7.1	7.4	0.0	0.0	0.0
34	21.7	18.8	5.6	0.0	0.0	0.0	0.0	0.0
35	24.7F	17.3	5.6	6.5	8.1	7.8	0.0	0.0
36	21.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0
37	24.7	18.1	0.0	0.0	0.0	0.0	0.0	0.0
38	25.4	16.1	0.0	0.0	0.0	0.0	0.0	0.0
39	25.4	16.1	0.0	0.0	0.0	0.0	0.0	0.0
40	20.1	15.0	0.0	0.0	0.0	0.0	0.0	0.0
41	22.3	16.4	0.0	0.0	0.0	0.0	0.0	0.0
42	21.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0
43	22.5	11.6	0.0	0.0	0.0	0.0	0.0	0.0
44	22.6	17.8	0.0	0.0	0.0	0.0	0.0	0.0
45	22.5	15.5	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	SKW	NO	NO	NO	SKW	NO	SKW

FIRST ITERATION

MODE	22.50	13.00	6.20	6.70	8.10	8.60	8.90	10.00
MEAN	22.24	13.61	6.52	6.74	8.02	8.99	8.92	9.74
NOBS	32.00	35.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	2.87	4.35	1.41	0.84	0.72	1.51	0.92	0.97
CV	12.89	31.97	21.59	12.49	9.02	16.81	10.32	9.97

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	22.40	13.00	6.10	6.70	8.05	8.45	8.90	10.00
MEAN	22.31	13.61	6.24	6.74	8.11	8.56	8.92	9.74
NOBS	33.00	35.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	2.20	4.35	1.00	0.84	0.63	0.86	0.92	0.97
CV	9.87	31.97	16.95	12.49	7.74	10.05	10.32	9.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	22.35	13.00	6.05	6.70	8.05	8.45	8.90	10.00
MEAN	22.46	13.61	6.11	6.74	8.11	8.56	8.92	9.74
NOBS	32.00	35.00	22.00	17.00	16.00	8.00	5.00	5.00
SD	2.07	4.35	0.84	0.84	0.63	0.86	0.92	0.97
CV	9.23	31.97	14.50	12.49	7.74	10.05	10.32	9.97

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1974 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 9, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	15.0	14.3	19.9	34.7F	20.7	13.6	0.0	0.0
12	17.2	17.4	18.6	0.0	0.0	0.0	0.0	0.0
13	20.0	15.2	6.7	0.0	16.2	0.0	0.0	0.0
14	15.5	16.7	14.9	0.0	0.0	0.0	0.0	0.0
15	14.4	16.3	10.3	14.1	15.3	21.3	0.0	0.0
16	11.3	15.2	9.5	0.0	0.0	0.0	0.0	0.0
17	10.3	13.6	9.3	10.6	16.5	14.1	18.4	17.1
18	10.1	14.3	7.4	8.5	19.3	0.0	0.0	0.0
19	11.4	15.1	0.0	15.4	19.0	13.6	20.7	18.4
20	16.5	16.7	15.4	0.0	0.0	0.0	0.0	0.0
21	12.5	17.0	14.5	14.8	16.1	0.0	0.0	0.0
22	18.6	19.5	10.5	9.7	15.3	0.0	0.0	0.0
23	21.5	21.5	19.6	18.3	20.2	19.5	21.5	23.0
24	14.1	15.4	15.5	7.7	9.0F	0.0	0.0	0.0
25	13.9	15.8	16.6	19.4	19.5	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	19.4	21.4	11.9	11.9	16.4	18.3	19.1	20.5
28	0.0	17.3	6.5	13.0	19.3	0.0	0.0	0.0
29	20.2	19.3	10.5	16.3	20.3	16.6	21.2	22.3
30	22.0	21.1	13.3	0.0	0.0	0.0	0.0	0.0
31	15.3	14.9	18.4	14.7	13.25	20.4	0.0	0.0
32	21.0	23.0	21.4	0.0	0.0	0.0	0.0	0.0
33	14.8	15.2	20.0	12.6	21.7	0.0	0.0	0.0
34	25.4F	20.5	21.4	0.0	0.0	0.0	0.0	0.0
35	23.5	19.1	8.8	13.7	18.4	22.0	0.0	0.0
36	14.3	14.7	0.0	0.0	0.0	0.0	0.0	0.0
37	14.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0
38	13.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0
39	21.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0
40	22.7	22.6	0.0	0.0	0.0	0.0	0.0	0.0
41	20.5	21.1	0.0	0.0	0.0	0.0	0.0	0.0
42	17.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0
43	17.6	17.4	0.0	0.0	0.0	0.0	0.0	0.0
44	14.5	21.2	0.0	0.0	0.0	0.0	0.0	0.0
45	21.0	21.8	0.0	0.0	0.0	0.0	0.0	0.0
46	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION:

MODE	17.70	17.40	14.50	13.90	18.40	18.30	20.70	20.50
MEAN	17.27	17.87	13.77	13.72	17.82	17.77	20.20	20.30
NOBS	33.00	34.00	23.00	15.00	17.00	9.00	5.00	5.00
SD	4.05	3.00	4.87	6.24	3.18	3.41	1.34	2.55
CV	23.51	16.79	34.89	42.39	17.72	19.19	6.85	12.56

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	17.65	17.40	14.50	13.70	18.35	18.30	20.70	20.50
MEAN	17.02	17.88	13.96	13.39	18.16	17.77	20.20	20.30
NOBS	32.00	34.00	23.00	15.00	16.00	9.00	5.00	5.00
SD	3.85	3.00	4.87	3.37	2.32	4.41	1.38	2.55
CV	22.63	16.79	34.89	25.16	12.76	19.19	6.85	12.56

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	17.65	17.40	14.50	13.70	18.30	18.30	20.70	20.50
MEAN	17.02	17.88	13.96	13.39	18.49	17.77	20.20	20.30
NOBS	32.00	34.00	23.00	15.00	15.00	9.00	5.00	5.00
SD	3.75	3.00	4.87	3.37	1.97	3.41	1.34	2.55
CV	22.63	16.79	34.89	25.16	10.65	19.19	6.85	12.56

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	23.4	20.1	7.4	0.0	0.0	13.4	0.0	0.0
12	23.4	20.3	11.1	0.0	0.0	0.0	0.0	0.0
13	20.8	21.3	19.6	6.4	0.0	0.0	0.0	0.0
14	21.4	19.0	6.3	0.0	0.0	0.0	0.0	0.0
15	24.2	18.4	20.3	3.4	0.0	4.7	0.0	0.0
16	21.4	20.0	17.2	0.0	0.0	0.0	0.0	0.0
17	23.3	20.9	8.9	4.3	0.0	12.1	0.0	0.0
18	21.4	19.4	14.8	0.0	0.0	0.0	0.0	0.0
19	21.3	15.3	5.3	10.0	0.0	2.1	10.3	12.6
20	12.4	14.7	4.3	0.0	0.0	0.0	0.0	0.0
21	12.4	18.4	3.0	6.4	0.0	0.0	0.0	0.0
22	15.3	15.2	9.3	3.3	0.0	0.0	0.0	0.0
23	18.4	15.3	8.6	8.6	0.0	10.2	10.2	11.1
24	18.4	18.7	15.9	3.4	0.0	0.0	0.0	0.0
25	12.4	16.4	15.5	3.9	0.0	0.0	0.0	0.0
26	12.7	12.9	14.4	0.0	0.0	0.0	0.0	0.0
27	18.4	17.2	17.3	0.0	0.0	7.8	12.3	12.3
28	18.1	16.4	13.3	3.1	0.0	0.0	0.0	0.0
29	18.3	14.8	14.8	17.7	0.0	8.6	10.5	9.8
30	17.0	17.3	12.7	0.0	0.0	0.0	0.0	0.0
31	12.6	15.3	5.5	7.9	0.0	7.1	0.0	0.0
32	13.7	0.0	7.2	0.0	0.0	0.0	0.0	0.0
33	13.7	13.0	11.2	5.5	0.0	0.0	0.0	0.0
34	13.8	15.0	13.1	0.0	0.0	0.0	0.0	0.0
35	14.4	14.4	6.9	11.3	0.0	7.3	0.0	0.0
36	21.4	20.9	0.0	0.0	0.0	0.0	0.0	0.0
37	21.2	12.35	0.0	0.0	0.0	0.0	0.0	0.0
38	19.0	18.7	0.0	0.0	0.0	0.0	0.0	0.0
39	17.4	11.6	0.0	0.0	0.0	0.0	0.0	0.0
40	17.4	14.3	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	15.7	16.2	0.0	0.0	0.0	0.0	0.0	0.0
43	21.3	20.1	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0
45	18.4	17.5	0.0	0.0	0.0	0.0	0.0	0.0
BIMUDAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	14.00	17.30	9.30	8.00	6.80	8.60	10.50	11.85
MEAN	18.64	17.35	10.97	8.31	6.80	9.37	10.92	11.50
NOBS	33.00	32.00	25.00	14.00	1.00	4.00	4.00	4.00
SD	3.42	2.63	5.12	3.23	0.0	2.20	1.06	1.61
CV	18.37	15.14	46.65	38.83	0.0	23.45	9.70	13.97

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	14.00	17.25	9.30	7.95	0.0	8.60	10.50	11.85
MEAN	18.64	17.52	10.97	7.84	0.0	9.37	10.92	11.50
NOBS	33.00	32.00	25.00	14.00	0.0	4.00	4.00	4.00
SD	3.42	2.45	5.12	1.98	0.0	2.20	1.06	1.61
CV	18.37	14.00	46.65	25.97	0.0	23.45	9.70	13.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	19.00	17.20	9.30	7.95	0.0	8.60	10.50	11.85
MEAN	18.64	17.69	10.97	7.84	0.0	9.37	10.92	11.50
NOBS	33.00	31.00	25.00	14.00	0.0	4.00	4.00	4.00
SD	3.42	2.30	5.12	1.98	0.0	2.20	1.06	1.61
CV	18.37	12.99	46.65	25.97	0.0	23.45	9.70	13.97

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
1	22.4	22.3	22.4	11.7	15.2	16.6	15.0	15.3
2	22.4	22.4	22.3	0.0	0.0	0.0	0.0	0.0
3	22.4	22.4	22.3	12.7	14.7	0.0	0.0	0.0
4	22.5	22.5	22.3	0.0	0.0	0.0	0.0	0.0
5	22.5	22.5	22.3	0.0	0.0	0.0	0.0	0.0
6	22.7	22.7	22.3	24.7	12.0	15.4	0.0	0.0
7	22.3	22.3	22.3	0.0	0.0	0.0	0.0	0.0
8	22.6	22.6	22.3	22.3	0.0	16.4	16.0	14.9
9	22.2	22.2	22.3	0.0	0.0	0.0	0.0	0.0
10	22.2	22.2	22.3	16.3	15.0	16.2	0.0	15.6
11	22.3	22.3	22.3	0.0	0.0	0.0	0.0	0.0
12	22.4	22.4	22.3	17.9	16.0	0.0	0.0	0.0
13	22.3	22.3	22.3	17.7	14.1	0.0	0.0	0.0
14	22.3	22.3	22.3	20.1	10.6	16.7	14.6	14.6
15	22.4	22.4	22.3	14.7	13.5	0.0	0.0	0.0
16	22.5	22.5	22.3	0.0	0.0	0.0	0.0	0.0
17	22.5	22.5	22.3	22.9	14.7	17.6	15.9	15.3
18	22.6	22.6	22.3	21.7	14.4	0.0	0.0	0.0
19	22.6	22.6	22.3	21.0	14.7	16.4	15.8	15.8
20	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
21	22.6	22.6	22.3	13.0	14.0	16.3	0.0	0.0
22	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
23	22.6	22.6	22.3	25.2	23.0	0.0	0.0	0.0
24	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
25	22.6	22.6	22.3	24.1	17.2	19.2	0.0	0.0
26	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
27	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
28	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
29	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
30	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
31	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
32	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
33	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
34	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
35	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
36	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
37	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
38	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
39	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
40	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
41	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
42	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
43	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
44	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
45	22.6	22.6	22.3	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKW	NO	SKW	SKW	SKW	NO

FIRST ITERATION								
MODE	24.20	24.60	22.85	20.70	14.70	16.40	15.85	15.30
MEAN	24.34	24.45	20.78	19.37	15.30	16.76	15.57	15.24
NORS	35.00	34.00	24.00	16.00	15.00	9.00	4.00	5.00
SD	2.15	1.86	4.47	4.57	2.94	1.08	0.66	0.44
CV	8.83	7.60	21.52	23.62	19.23	6.44	4.21	3.24

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	24.20	24.50	21.90	20.70	14.70	16.40	15.85	15.30
MEAN	24.70	24.63	21.75	19.37	14.75	16.45	15.57	15.24
NORS	33.00	33.00	22.00	16.00	14.00	8.00	4.00	5.00
SD	1.60	1.53	3.17	4.57	2.11	0.61	0.66	0.49
CV	6.49	6.22	14.58	23.62	14.27	3.70	4.21	3.24

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	24.05	24.40	21.00	20.70	14.70	16.40	15.85	15.30
MEAN	24.58	24.64	22.06	19.37	14.75	16.45	15.57	15.24
NORS	32.00	31.00	21.00	16.00	14.00	8.00	4.00	5.00
SD	1.48	1.33	2.88	4.57	2.11	0.61	0.66	0.49
CV	6.03	5.41	13.07	23.62	14.27	3.70	4.21	3.24

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	24.4	21.1	11.2	9.1	18.9	19.3	0.0	0.0
12	23.3	22.6	18.5	10.0	10.0	0.0	0.0	0.0
13	23.4	22.1	18.4	10.0	15.8	0.0	0.0	0.0
14	26.7	23.6	22.5	10.0	0.0	0.0	0.0	0.0
15	24.2	20.4	14.4	19.6	21.1	19.0	0.0	0.0
16	26.3	23.6	19.3	10.0	0.0	0.0	0.0	0.0
17	22.5	21.6	12.6	14.6	22.5	23.3	22.8	20.6
18	24.7	21.7	14.5	11.7	18.1	0.0	0.0	0.0
19	24.7	22.4	15.2	10.6	17.7	18.9	18.5	20.0
20	24.2	21.8	14.0	10.0	0.0	0.0	0.0	0.0
21	24.4	24.3	22.4	18.6	20.0	21.6	22.2	21.1
22	26.4	24.3	13.1	12.2	20.1	0.0	0.0	0.0
23	25.5	23.3	9.9	13.2	18.4	19.3	20.8	19.0
24	25.4	24.6	13.0	10.7	14.6	0.0	0.0	0.0
25	26.1	20.6	19.1	20.1	21.1	0.0	0.0	0.0
26	26.5	23.4	20.3	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	23.0	23.3	14.6	13.0	17.9	0.0	0.0	0.0
29	24.4	24.5	20.9	13.1	21.5	21.3	21.5	20.0
30	23.3	23.5	19.1	0.0	0.0	0.0	0.0	0.0
31	28.5	27.0	18.4	16.2	23.7	23.7	0.0	0.0
32	25.1	25.0	24.2	0.0	0.0	0.0	0.0	0.0
33	26.7	25.0	15.0	17.5	20.4	0.0	0.0	0.0
34	26.7	25.6	24.3	0.0	0.0	0.0	0.0	0.0
35	24.5	23.4	20.4	4.5	19.0	21.5	0.0	0.0
36	24.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0
37	26.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	24.4	23.6	0.0	0.0	0.0	0.0	0.0	0.0
41	24.6	24.5	0.0	0.0	0.0	0.0	0.0	0.0
42	27.3	25.4	0.0	0.0	0.0	0.0	0.0	0.0
43	24.7	22.7	0.0	0.0	0.0	0.0	0.0	0.0
44	27.8	23.7	20.9	0.0	0.0	0.0	0.0	0.0
45	26.9	24.3	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	YES	NO	NO	NO	NO

FIRST ITERATION

MODE	24.70	23.60	18.40	14.45	19.50	21.30	21.50	20.00
MEAN	25.20	23.44	17.47	14.91	19.42	20.66	21.16	16.72
NOBS	33.00	33.00	25.00	16.00	16.00	9.00	5.00	5.00
SD	1.50	1.66	4.11	3.78	2.37	2.20	1.67	7.77
CV	5.44	7.07	23.53	25.36	12.21	10.66	7.87	46.44

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	24.65	23.60	18.40	14.45	19.00	21.30	21.50	20.00
MEAN	25.09	23.47	17.47	14.91	19.75	20.66	21.16	16.72
NOBS	32.00	31.00	25.00	16.00	15.00	9.00	5.00	5.00
SD	1.40	1.37	4.11	3.78	2.06	2.20	1.67	7.77
CV	5.56	5.84	23.53	25.36	10.44	10.66	7.87	46.44

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	24.65	23.55	18.40	14.45	19.00	21.30	21.50	20.00
MEAN	25.09	23.56	17.47	14.91	19.75	20.66	21.16	16.72
NOBS	32.00	30.00	25.00	16.00	15.00	9.00	5.00	5.00
SD	1.40	1.28	4.11	3.78	2.06	2.20	1.67	7.77
CV	5.56	5.45	23.53	25.36	10.44	10.66	7.87	46.44

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	29.1	27.7	22.5	21.1	20.7	20.1	0.0	0.0
12	32.4	31.45	32.45	0.0	0.0	0.0	0.0	0.0
13	31.9	28.6	26.9	18.3	10.4	0.0	0.0	0.0
14	30.8	28.1	26.9	0.0	0.0	0.0	0.0	0.0
15	30.8	32.35	26.4	21.7	22.1	22.8	0.0	0.0
16	28.3	27.4	22.3	0.0	0.0	0.0	0.0	0.0
17	32.3	29.2	29.0	15.7	20.5	26.2	22.7	21.6
18	32.2	28.65	23.5	18.3	22.1	0.0	0.0	0.0
19	27.9	24.05	23.8	10.2	20.7	21.2	19.7	19.7
20	27.7	25.2	21.2	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	34.1	35.2	29.4	23.8	22.2	0.0	0.0	0.0
23	29.0	27.4	23.4	17.2	19.9	23.0	23.1	21.1
24	29.4	29.3	25.4	22.8	21.4	0.0	0.0	0.0
25	27.8	28.2	27.9	21.3	20.9	0.0	0.0	0.0
26	31.7	27.6	25.0	0.0	0.0	0.0	0.0	0.0
27	28.2	27.7	25.5	14.7	0.0	19.8	21.7	19.5
28	30.2	28.6	25.8	23.0	22.8	0.0	0.0	0.0
29	30.0	28.8	27.1	19.3	19.8	24.0	21.6	22.4
30	27.6	26.0	23.5	0.0	0.0	0.0	0.0	0.0
31	28.7	28.9	26.5	24.3	21.7	23.1	0.0	0.0
32	29.7	26.3	23.6	0.0	0.0	0.0	0.0	0.0
33	29.2	26.3	12.4	7.4	21.5	0.0	0.0	0.0
34	28.8	28.0	27.1	0.0	0.0	0.0	0.0	0.0
35	27.7	28.9	27.5	9.7	20.1	22.2	0.0	0.0
36	27.5	27.1	0.0	0.0	0.0	0.0	0.0	0.0
37	30.9	28.8	0.0	0.0	0.0	0.0	0.0	0.0
38	29.2	27.4	0.0	0.0	0.0	0.0	0.0	0.0
39	27.5	27.7	0.0	0.0	0.0	0.0	0.0	0.0
40	28.7	25.4	0.0	0.0	0.0	0.0	0.0	0.0
41	28.5	26.6	0.0	0.0	0.0	0.0	0.0	0.0
42	32.9	30.5	0.0	0.0	0.0	0.0	0.0	0.0
43	33.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	31.3	29.1	0.0	0.0	0.0	0.0	0.0	0.0
45	30.9	27.9	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	29.45	28.10	25.65	18.80	20.90	22.80	21.70	21.10
MEAN	29.88	28.27	24.70	18.05	20.45	22.49	21.76	20.90
NOBS	34.00	33.00	24.00	16.00	15.00	9.00	5.00	5.00
SD	2.02	2.03	4.95	5.27	2.93	1.98	1.32	1.27
CV	6.78	7.20	20.02	29.19	14.30	8.62	6.06	6.10

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	29.30	28.00	25.25	18.30	20.80	22.80	21.70	21.10
MEAN	29.87	28.06	25.95	18.76	21.17	22.49	21.76	20.90
NOBS	32.00	32.00	22.00	15.00	14.00	9.00	5.00	5.00
SD	1.80	1.64	2.63	4.59	0.94	1.98	1.32	1.27
CV	6.01	5.83	10.14	24.48	4.44	8.82	6.06	6.10

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	29.20	27.90	25.00	18.30	20.80	22.80	21.70	21.10
MEAN	29.75	27.91	25.65	18.76	21.17	22.49	21.76	20.90
NOBS	31.00	29.00	21.00	15.00	14.00	9.00	5.00	5.00
SD	1.67	1.21	2.26	4.59	0.94	1.98	1.32	1.27
CV	5.63	4.35	8.80	24.48	4.44	8.82	6.06	6.10

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	34.4	26.0	10.9	6.1	7.7	8.7	0.0	0.0
12	29.7	23.4	12.3	0.0	0.0	0.0	0.0	0.0
13	35.1	20.0	7.6	6.3	7.5	0.0	0.0	0.0
14	34.1	24.0	13.0	0.0	0.0	0.0	0.0	0.0
15	33.1	26.0	11.7	6.8	6.1	0.0	0.0	0.0
16	28.6	18.0	6.6	0.0	0.0	9.7	0.0	0.0
17	30.4	20.0	8.6	5.4	7.9	4.1	6.5	7.0
18	31.8	20.0	12.0	6.9	7.4	0.0	0.0	0.0
19	21.2	20.0	13.0	8.8	6.3	5.0	6.4	7.5
20	24.4	15.0	8.8	0.0	0.0	0.0	0.0	0.0
21	22.8	14.0	5.7	0.0	8.1	0.0	0.0	0.0
22	26.7	17.7	33.3	5.5	8.4	0.0	0.0	0.0
23	28.4	22.3	10.0	5.7	7.2	8.8	7.1	6.3
24	23.8	11.0	11.0	5.0	6.8	0.0	0.0	0.0
25	25.8	18.4	16.0	8.7	7.3	0.0	0.0	0.0
26	25.9	23.0	15.0	0.0	0.0	0.0	0.0	0.0
27	26.6	17.0	8.0	5.7	7.9	10.3	7.0	7.0
28	31.0	22.0	8.0	7.1	10.2	0.0	0.0	0.0
29	33.3	24.0	11.0	0.0	7.5	9.4	7.1	8.1
30	33.3	25.0	14.0	0.0	0.0	0.0	0.0	0.0
31	29.7	18.0	5.0	5.9	8.3	10.0	0.0	0.0
32	23.6	10.0	8.0	0.0	0.0	0.0	0.0	0.0
33	20.6	13.0	8.0	7.5	7.7	0.0	0.0	0.0
34	25.5	21.0	0.0	0.0	0.0	0.0	0.0	0.0
35	28.5	21.4	4.0	6.3	6.4	9.1	0.0	0.0
36	26.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0
37	18.9	17.6	0.0	0.0	0.0	0.0	0.0	0.0
38	25.6	23.0	0.0	0.0	0.0	0.0	0.0	0.0
39	24.0	15.0	0.0	5.8	0.0	0.0	0.0	0.0
40	24.9	16.8	0.0	0.0	0.0	0.0	0.0	0.0
41	15.0	22.3	0.0	0.0	0.0	0.0	0.0	0.0
42	29.8	15.0	0.0	0.0	0.0	0.0	0.0	0.0
43	27.2	20.0	0.0	0.0	0.0	0.0	0.0	0.0
44	24.7	17.2	0.0	0.0	0.0	0.0	0.0	0.0
45	27.4	22.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	26.60	20.30	10.90	6.30	7.50	9.10	7.00	7.50
MEAN	26.50	19.83	11.32	6.44	7.57	8.90	6.82	7.40
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	4.88	3.92	5.56	1.22	0.96	1.56	0.34	0.66
CV	18.41	19.78	49.13	18.92	12.64	17.50	5.02	8.97

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	26.30	19.80	10.45	6.20	7.50	9.10	7.00	7.50
MEAN	26.84	20.10	10.41	6.25	7.41	9.39	6.82	7.40
NOBS	34.00	34.00	24.00	16.00	16.00	8.00	5.00	5.00
SD	4.52	3.65	3.23	0.96	0.70	0.57	0.34	0.66
CV	16.82	18.15	31.03	15.36	9.43	6.09	5.02	8.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	26.30	19.80	10.00	6.10	7.50	9.10	7.00	7.50
MEAN	26.84	20.10	10.13	6.09	7.41	9.39	6.82	7.40
NOBS	34.00	34.00	23.00	15.00	16.00	8.00	5.00	5.00
SD	4.52	3.65	2.98	0.73	0.70	0.57	0.34	0.66
CV	16.82	18.15	29.47	11.96	9.43	6.09	5.02	8.97

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 19, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7.3	16.8	10.6	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	7.30	16.80	10.60	14.00	0.0	0.0	0.0	0.0
MEAN	7.30	16.80	10.60	14.00	0.0	0.0	0.0	0.0
NOBS	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 20, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	16.8	10.25	6.9	10.4	12.9	22.0	0.0	0.0
12	24.0	22.4	20.1	0.0	0.0	0.0	0.0	0.0
13	19.5	17.9	14.3	20.4	11.7	0.0	0.0	0.0
14	20.4	20.4	21.4	0.0	0.0	0.0	0.0	0.0
15	21.6	19.3	16.5	14.3	18.0	25.2	0.0	0.0
16	20.0	17.3	6.1	0.0	0.0	0.0	0.0	0.0
17	18.7	14.8	10.2	16.2	13.7	18.0	11.0	13.6
18	14.0	18.0	8.9	8.0	9.1	0.0	0.0	0.0
19	15.1	11.7	9.7	7.0	8.7	13.2	11.4	13.0
20	18.2	18.3	7.5	0.0	0.0	0.0	0.0	0.0
21	22.1	23.0	22.7	23.0	22.4	0.0	0.0	0.0
22	20.2	17.1	17.1	15.8	16.7	0.0	0.0	0.0
23	17.3	15.3	12.1	10.3	12.5	16.8	15.7	14.1
24	16.9	14.7	14.4	11.1	9.5	0.0	0.0	0.0
25	25.4	25.2	24.7	24.7	25.5	0.0	0.0	0.0
26	23.2	22.1	21.4	0.0	0.0	0.0	0.0	0.0
27	26.55	25.4	26.3	28.6	49.6F	25.2	25.3A	23.5A
28	14.6	15.9	8.3	9.8	16.1	0.0	0.0	0.0
29	20.4	20.8	22.1	18.3	19.7	17.6	13.1	18.0
30	23.1	22.6	14.6	0.0	0.0	0.0	0.0	0.0
31	17.3	0.0	13.2	8.8	8.5	26.3	0.0	0.0
32	14.1	17.3	12.4	0.0	0.0	0.0	0.0	0.0
33	22.4	23.4	25.5	25.2	0.0	0.0	0.0	0.0
34	32.2F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	35.2F	32.5F	37.4F	40.6F	41.5S	37.8F	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	20.20	18.30	14.50	16.20	14.90	22.00	13.10	14.10
MEAN	21.40	19.41	16.43	17.38	18.51	22.46	15.30	16.44
NOBS	25.00	23.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	4.65	4.98	7.76	9.13	11.76	7.30	5.89	4.41
CV	21.73	25.63	47.24	52.50	63.53	32.52	38.49	26.80

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	20.00	18.15	14.40	16.00	13.70	20.00	13.10	14.10
MEAN	20.33	18.82	15.50	15.93	16.43	20.54	15.30	16.44
NOBS	23.00	22.00	23.00	16.00	15.00	8.00	5.00	5.00
SD	2.91	4.17	6.41	7.12	8.63	4.81	5.89	4.41
CV	14.30	22.17	41.38	44.67	52.49	23.40	38.49	26.80

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	19.80	18.00	14.40	16.00	13.30	20.00	13.10	14.10
MEAN	20.05	19.23	15.50	15.93	16.64	20.54	15.30	16.44
NOBS	22.00	21.00	23.00	16.00	14.00	8.00	5.00	5.00
SD	2.64	3.79	6.41	7.12	5.33	4.81	5.89	4.41
CV	13.17	19.73	41.38	44.67	36.37	23.40	38.49	26.80

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 21, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	17.0	14.2	16.6	14.1	11.3	9.7A	0.0	0.0
12	19.1	3.5	8.1	0.0	0.0	0.0	0.0	0.0
13	21.4	34.85	0.0	16.0	11.0	0.0	0.0	0.0
14	20.9	17.4	9.5	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	18.1	12.5	12.4	0.0	0.0	0.0	0.0	0.0
17	14.5	14.0	19.3	22.2	25.8	18.0	17.5	16.3
18	21.7	20.0	14.7	21.3	23.2	0.0	0.0	0.0
19	32.3F	30.7F	31.4F	38.5A	37.4F	31.0A	26.3	25.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	14.0	0.0	7.2	12.4	16.6	0.0	0.0	0.0
22	16.9	6.2	6.3	9.4	14.0	0.0	0.0	0.0
23	20.5	12.0	22.8	27.4	25.3	21.6	15.7	14.1
24	30.8F	32.1	32.05	35.5A	30.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	16.4	12.2	7.7	0.0	0.0	0.0	0.0	0.0
27	20.5	13.7	16.6	16.8	17.1	23.4	14.2	10.0
28	16.0	14.7	5.5	10.4	13.4	0.0	0.0	0.0
29	25.9	27.1	28.2	30.1	30.1	24.8	25.0	23.5
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	16.2	12.8	11.0	8.8	11.1	18.9	0.0	0.0
32	10.2S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	13.0	10.4	6.1	8.7	8.8A	0.0	0.0	0.0
34	16.0	13.5	10.6	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	17.5	16.4	0.0	0.0	0.0	0.0	0.0	0.0
37	26.4	24.5	0.0	0.0	0.0	0.0	0.0	0.0
38	23.9	24.7	0.0	0.0	0.0	0.0	0.0	0.0
39	25.9	25.4	0.0	0.0	0.0	0.0	0.0	0.0
40	24.8	25.2	0.0	0.0	0.0	0.0	0.0	0.0
41	22.6	13.5	0.0	0.0	0.0	0.0	0.0	0.0
42	21.6	17.8	0.0	0.0	0.0	0.0	0.0	0.0
43	16.4	16.2	0.0	0.0	0.0	0.0	0.0	0.0
44	17.8	17.9	0.0	0.0	0.0	0.0	0.0	0.0
45	26.6	25.1	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	SKEW	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION								
MODE	20.00	17.80	10.80	16.70	16.85	21.60	17.50	16.30
MEAN	20.35	14.50	15.15	19.47	19.60	21.19	19.74	17.94
NOBS	30.00	29.00	18.00	14.00	14.00	7.00	5.00	5.00
SD	7.09	7.87	9.46	10.11	8.94	6.83	5.54	6.58
CV	25.00	42.41	62.66	51.92	45.61	32.26	28.06	36.68

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	19.30	17.35	10.60	16.70	16.60	21.60	17.50	16.30
MEAN	19.56	17.91	13.85	19.47	18.22	21.19	19.74	17.94
NOBS	28.00	28.00	17.00	14.00	13.00	7.00	5.00	5.00
SD	4.22	7.19	8.07	10.11	7.58	6.83	5.54	6.58
CV	21.59	40.11	58.29	51.92	41.63	32.26	28.06	36.68

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	19.10	16.90	10.05	16.70	16.60	21.60	17.50	16.30
MEAN	19.90	17.32	12.71	19.47	18.22	21.19	19.74	17.94
NOBS	27.00	27.00	16.00	14.00	13.00	7.00	5.00	5.00
SD	3.88	6.54	6.79	10.11	7.58	6.83	5.54	6.58
CV	19.47	38.00	53.44	51.92	41.63	32.26	28.06	36.68

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 25, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	18.3	21.4	19.2	11.1	4.3	12.6	0.0	0.0
12	14.9	21.4	20.4	0.0	0.0	0.0	0.0	0.0
13	15.3	19.5	19.2	7.3	10.0	0.0	0.0	0.0
14	18.3	18.5	14.8	0.0	0.0	0.0	0.0	0.0
15	18.0	18.7	18.0	10.4	10.5	12.0	0.0	0.0
16	23.1F	23.7S	20.6	0.0	0.0	0.0	0.0	0.0
17	21.9	22.7	20.8	9.5	11.5	13.0	15.4	15.5
18	17.8	20.6	16.8	8.5	12.0	0.0	0.0	0.0
19	19.3	19.8	20.1	17.0	8.8	12.0	15.5	14.2
20	17.0	18.4	17.5	0.0	0.0	0.0	0.0	0.0
21	22.8S	25.2S	20.7	11.2	15.9F	0.0	0.0	0.0
22	17.4	21.8	13.7	5.2	3.7	0.0	0.0	0.0
23	21.0	21.0	21.8	11.4	12.7	12.2	15.0	15.3
24	17.7	20.4	15.3	7.5	0.0	0.0	0.0	0.0
25	17.8	19.8	18.5	13.4	9.3	0.0	0.0	0.0
26	21.1	22.2	12.8S	0.0	0.0	0.0	0.0	0.0
27	18.8	19.7	18.4	6.8	8.8	11.7	14.2	15.8
28	16.0	20.5	19.0	9.3	12.9	0.0	0.0	0.0
29	17.8	19.7	13.9	10.8	13.7	12.7	14.3	0.0
30	16.0	18.7	19.2	0.0	0.0	0.0	0.0	0.0
31	16.5	18.2	10.7F	7.9	10.3	12.3	0.0	0.0
32	12.8F	18.3	17.4	0.0	0.0	0.0	0.0	0.0
33	17.1	40.1F	27.8F	14.7	0.0	0.0	0.0	0.0
34	15.7	18.2	17.2	0.0	0.0	0.0	0.0	0.0
35	13.1S	20.2	16.3	6.9	9.0	27.1F	0.0	0.0
36	17.6	20.1	0.0	0.0	0.0	0.0	0.0	0.0
37	15.9	19.4	0.0	0.0	0.0	0.0	0.0	0.0
38	19.5	21.2	0.0	0.0	0.0	0.0	0.0	0.0
39	19.3	21.6	0.0	0.0	0.0	0.0	0.0	0.0
40	13.7	18.7	0.0	0.0	0.0	0.0	0.0	0.0
41	16.8	19.7	0.0	0.0	0.0	0.0	0.0	0.0
42	16.4	20.4	0.0	0.0	0.0	0.0	0.0	0.0
43	18.3	21.1	0.0	0.0	0.0	0.0	0.0	0.0
44	20.7	22.1	0.0	0.0	0.0	0.0	0.0	0.0
45	18.9	19.9	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDAL	NO	NO	NO	NO	SNEW	SNEW	SNEW	SNEW

FIRST ITERATION

MODE	17.40	20.20	18.90	9.50	10.30	12.30	15.00	15.65
MEAN	17.86	21.00	18.14	10.35	10.89	13.96	14.88	15.32
NOBS	31.00	32.00	27.00	17.00	15.00	9.00	5.00	4.00
SD	2.40	3.37	3.45	3.40	2.16	4.95	0.61	0.76
CV	13.86	17.48	19.21	33.44	19.84	35.44	4.07	4.98

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	17.70	20.15	18.50	9.50	10.15	12.25	15.00	15.65
MEAN	17.85	20.44	18.05	10.35	10.54	12.31	14.88	15.32
NOBS	31.00	34.00	23.00	17.00	14.00	8.00	5.00	4.00
SD	2.20	1.58	2.55	3.46	1.72	0.43	0.61	0.76
CV	12.34	7.74	14.11	33.44	16.34	3.48	4.07	4.98

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	17.60	20.00	18.25	9.50	10.15	12.25	15.00	15.65
MEAN	17.85	20.18	18.29	10.35	10.54	12.31	14.88	15.32
NOBS	31.00	32.00	22.00	17.00	14.00	8.00	5.00	4.00
SD	1.90	1.22	2.33	3.46	1.72	0.43	0.61	0.76
CV	10.65	6.03	12.73	33.44	16.34	3.48	4.07	4.98

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 26, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	5-15	15-30	30-45
11	25.4	26.4	27.7	27.5	27.7	22.4	0.0	0.0
12	26.5	27.5	29.0	0.0	0.0	0.0	0.0	0.0
13	28.6	29.3	28.8	30.6	30.1	0.0	0.0	0.0
14	27.1	28.2	28.7	0.0	0.0	0.0	0.0	0.0
15	26.1	27.2	28.4	35.4F	22.8F	27.3	0.0	0.0
16	24.9	27.6	28.4	0.0	0.0	0.0	0.0	0.0
17	27.2	28.2	27.1	28.4	28.4	21.4	25.6	26.7
18	27.2	29.1	27.9	28.4	28.7	0.0	0.0	0.0
19	27.1	27.4	28.0	0.0	0.0	0.0	25.0	25.7
20	0.0	24.1	28.4	0.0	0.0	0.0	0.0	0.0
21	25.4	28.3	28.6	24.3	27.6	0.0	0.0	0.0
22	26.6	27.2	27.6	28.5	27.3	0.0	0.0	0.0
23	27.9	24.2	31.75	0.0	32.25	28.8	30.3	27.6
24	31.3F	24.1	31.85	32.5	35.1F	0.0	0.0	0.0
25	26.8	22.1F	27.4	24.4	30.4	0.0	0.0	0.0
26	0.0	0.0	28.6	0.0	0.0	0.0	0.0	0.0
27	29.7	24.7	30.8	24.5	27.9	28.7	41.3A	18.5A
28	29.3	28.1	30.1	31.7	30.6	0.0	0.0	0.0
29	27.4	24.5	29.6	24.6	24.5	24.9	31.1	25.4
30	25.7	27.4	28.6	0.0	0.0	0.0	0.0	0.0
31	26.5	33.5F	24.5	24.5	24.3	0.0	0.0	0.0
32	24.0	27.4	24.5	0.0	0.0	0.0	0.0	0.0
33	26.4	24.2	29.3	28.2	28.3	0.0	0.0	0.0
34	30.25	30.75	23.3F	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	28.1	26.3	0.0	0.0	0.0
36	24.2	25.4	0.0	0.0	0.0	0.0	0.0	0.0
37	26.4	25.6	0.0	0.0	0.0	0.0	0.0	0.0
38	25.5	24.7	0.0	0.0	0.0	0.0	0.0	0.0
39	25.6	27.7	0.0	0.0	0.0	0.0	0.0	0.0
40	28.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
41	18.0F	25.1	0.0	0.0	0.0	0.0	0.0	0.0
42	27.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0
43	28.0	25.6	0.0	0.0	0.0	0.0	0.0	0.0
44	28.7	26.1	0.0	0.0	0.0	0.0	0.0	0.0
45	25.2	25.7	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	SKEW	NO	SKEW	NO	SKEW

FIRST ITERATION								
MODE	26.50	27.70	28.80	29.40	28.55	28.00	30.30	26.60
MEAN	26.67	27.44	28.57	29.55	28.69	28.42	30.98	24.58
NOBS	32.00	33.00	24.00	15.00	16.00	8.00	5.00	5.00
SD	2.23	2.12	1.77	2.38	2.68	3.61	6.54	4.53
CV	8.36	7.72	6.19	8.05	9.28	13.68	21.14	18.43

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	26.50	27.50	28.80	29.35	28.35	28.00	30.30	26.60
MEAN	26.81	27.42	28.80	29.13	28.69	28.42	30.98	24.58
NOBS	30.00	31.00	23.00	14.00	14.00	8.00	5.00	5.00
SD	1.40	1.02	1.40	1.81	1.58	3.61	6.54	4.53
CV	5.23	5.89	4.85	6.20	5.45	13.68	21.14	18.43

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	26.50	27.35	28.80	29.35	28.30	28.00	30.30	26.50
MEAN	26.58	27.30	28.51	29.13	28.63	28.42	30.98	24.58
NOBS	25.00	30.00	21.00	14.00	13.00	8.00	5.00	5.00
SD	1.13	1.51	1.09	1.81	1.31	3.61	6.54	4.53
CV	4.25	5.52	3.83	6.20	4.56	13.68	21.14	18.43

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	0.0	23.7	23.5	18.3	7.8	0.0	0.0	0.0
12	23.2	23.0	21.2	18.0	0.0	0.0	0.0	0.0
13	23.8	24.0	24.7	14.0	4.8	0.0	0.0	0.0
14	23.4	22.7	20.5	10.0	0.0	0.0	0.0	0.0
15	23.4	23.4	18.3	13.9	10.3	0.0	0.0	0.0
16	23.6	23.5	22.8	10.0	0.0	0.0	0.0	0.0
17	23.5	24.7	17.6	14.0	8.0	0.0	0.0	0.0
18	24.7	0.0	17.5	16.5	16.4	0.0	0.0	0.0
19	22.4	23.3	14.6	12.8	4.5	0.0	0.0	0.0
20	22.2	22.3	18.8	10.0	0.0	0.0	0.0	0.0
21	22.3	22.0	23.1	15.1	11.6	0.0	0.0	0.0
22	22.2	22.0	17.4	14.7	11.0	0.0	0.0	0.0
23	23.0	21.0	14.1	20.0	17.1	0.0	0.0	0.0
24	23.6	21.4	16.4	11.6	13.0	0.0	0.0	0.0
25	23.6	16.7	20.6	19.1	15.7	0.0	0.0	0.0
26	22.4	21.5	14.1	10.0	0.0	0.0	0.0	0.0
27	21.4	23.2	21.5	17.3	12.6	0.0	0.0	0.0
28	24.3	21.0	19.1	16.1	12.5	0.0	0.0	0.0
29	24.1	22.3	21.8	23.0	22.1	0.0	0.0	0.0
30	24.6	22.3	20.4	0.0	0.0	0.0	0.0	0.0
31	23.2	22.0	21.2	15.4	16.4	0.0	0.0	0.0
32	23.8	22.0	20.4	0.0	0.0	0.0	0.0	0.0
33	23.3	20.0	13.9	10.1	14.5	0.0	0.0	0.0
34	22.7	22.3	19.5	0.0	0.0	0.0	0.0	0.0
35	22.4	22.0	19.1	18.2	10.3	0.0	0.0	0.0
36	24.8	22.4	0.0	0.0	0.0	0.0	0.0	0.0
37	23.6	23.1	0.0	0.0	0.0	0.0	0.0	0.0
38	24.6	22.4	0.0	0.0	0.0	0.0	0.0	0.0
39	23.3	21.5	0.0	0.0	0.0	0.0	0.0	0.0
40	23.5	21.1	0.0	0.0	0.0	0.0	0.0	0.0
41	21.2	22.0	0.0	0.0	0.0	0.0	0.0	0.0
42	24.1	22.1	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	23.2	22.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	23.45	22.30	20.40	16.10	12.50	0.0	0.0	0.0
MEAN	23.43	22.41	19.77	17.51	13.04	0.0	0.0	0.0
NOBS	32.00	32.00	25.00	17.00	17.00	0.0	0.0	0.0
SD	2.16	1.50	3.04	2.84	3.62	0.0	0.0	0.0
CV	4.06	6.48	15.47	17.12	29.28	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	23.35	22.30	20.00	16.10	12.05	0.0	0.0	0.0
MEAN	23.36	22.54	20.08	16.21	12.47	0.0	0.0	0.0
NOBS	30.00	31.00	24.00	16.00	16.00	0.0	0.0	0.0
SD	1.10	1.14	2.24	2.34	3.12	0.0	0.0	0.0
CV	4.70	5.25	11.42	14.77	25.02	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL MODE	23.25	22.30	19.35	16.10	12.05	0.0	0.0	0.0
MEAN	23.14	22.54	20.15	16.21	12.47	0.0	0.0	0.0
NOBS	28.00	29.00	22.00	16.00	16.00	0.0	0.0	0.0
SD	0.92	0.94	1.71	2.34	3.12	0.0	0.0	0.0
CV	3.95	4.39	8.47	14.77	25.02	0.0	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 38, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	15.1	18.4	15.7	14.8 A	5.9	6.5	9.6	9.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	7.5 A	13.0	16.7	8.2	5.8	6.9	10.3	24.8 A
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	20.0	20.2	19.4	4.1	6.9	10.1	9.4	9.5
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	20.8	20.7	9.8	4.7	6.6	8.5	8.9	9.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	19.6	19.2	15.4	4.9	7.5	7.1	8.9	8.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	SKEW	NO	SKEW	NO	NO	SKEW

FIRST ITERATION								
MODE	19.60	19.20	15.70	4.90	6.80	7.10	9.40	9.50
MEAN	16.60	18.52	15.40	7.34	6.78	7.82	9.42	12.40
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	5.55	2.19	3.51	4.47	0.57	1.48	0.58	6.94
CV	33.44	11.83	22.76	60.86	8.44	18.93	6.16	55.95

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	19.60	19.20	15.70	4.90	6.80	7.10	9.40	9.50
MEAN	16.60	18.52	15.40	7.34	6.78	7.82	9.42	12.40
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	5.55	2.19	3.51	4.47	0.57	1.48	0.58	6.94
CV	33.44	11.83	22.76	60.86	8.44	18.93	6.16	55.95

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	19.60	19.20	15.70	4.90	6.80	7.10	9.40	9.50
MEAN	16.60	18.52	15.40	7.34	6.78	7.82	9.42	12.40
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	5.55	2.19	3.51	4.47	0.57	1.48	0.58	6.94
CV	33.44	11.83	22.76	60.86	8.44	18.93	6.16	55.95

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 39, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	15.6	19.8	20.0	15.6	14.2	17.5	0.0	0.0
12	21.3	22.3	20.0	0.0	0.0	0.0	0.0	0.0
13	24.1	26.6	24.1	17.7	19.7A	0.0	0.0	0.0
14	22.0	23.0	24.2	0.0	0.0	0.0	0.0	0.0
15	24.0	26.7	14.7	16.2	14.1	20.0	0.0	0.0
16	18.0	22.0	16.7	0.0	0.0	0.0	0.0	0.0
17	23.3	25.1	25.0	19.7	15.1	17.7	19.4	18.2
18	27.3	29.4	21.2	10.4	12.4	0.0	0.0	0.0
19	25.3	24.0	23.3	12.5	12.5	16.4	14.1	13.7
20	25.2	24.2	23.4	0.0	0.0	0.0	0.0	0.0
21	15.4	21.3	14.2	9.9	11.0	0.0	0.0	0.0
22	19.2	22.1	14.5	13.1	11.0	0.0	0.0	0.0
23	23.5	24.0	22.4	12.5	12.1	19.0	13.0	11.3
24	21.3	23.0	23.0	21.4	22.2b	0.0	0.0	0.0
25	21.3	16.0	14.5	13.1	10.0	0.0	0.0	0.0
26	22.7	22.5	14.2	10.0	10.0	0.0	0.0	0.0
27	23.4	22.5	14.2	13.2	12.5	12.1	11.7	12.4
28	21.7	22.5	14.4	11.0	12.2	0.0	0.0	0.0
29	21.3	22.5	23.6	20.0	11.4	11.4	12.2	15.4
30	17.0	22.5	14.5	0.0	0.0	0.0	0.0	0.0
31	23.3	30.0	20.3	12.7	11.4	15.5	0.0	0.0
32	32.5F	30.0	24.0	0.0	0.0	0.0	0.0	0.0
33	32.5F	30.7S	0.0	28.6F	30.0F	0.0	0.0	0.0
34	35.5F	34.4	22.3	0.0	10.0	0.0	0.0	0.0
35	35.5F	26.5	0.0	10.4	13.0	27.0F	0.0	0.0
36	18.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0
37	15.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0
38	21.2	21.5	0.0	0.0	0.0	0.0	0.0	0.0
39	24.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0
40	24.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0
41	19.4	11.6F	0.0	0.0	0.0	0.0	0.0	0.0
42	22.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0
43	24.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
44	21.9	24.3	0.0	0.0	0.0	0.0	0.0	0.0
45	14.0	10.0F	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	22.00	23.25	21.00	13.20	12.50	17.50	13.00	13.70
MEAN	22.73	23.09	21.31	15.59	14.54	17.33	14.08	14.30
NOBS	33.00	34.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	4.50	4.37	4.42	4.79	5.15	4.29	3.11	2.63
CV	19.80	18.93	23.10	30.70	35.41	24.70	22.08	18.42

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	21.90	22.60	20.80	13.15	12.45	16.95	13.00	13.70
MEAN	22.04	23.50	20.66	14.78	13.53	16.25	14.08	14.30
NOBS	33.00	31.00	23.00	16.00	16.00	8.00	5.00	5.00
SD	3.59	2.62	3.83	3.53	3.16	3.00	3.11	2.63
CV	16.27	11.15	18.53	23.88	23.34	18.45	22.08	14.42

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	21.70	22.55	20.40	13.15	12.40	16.95	13.00	13.70
MEAN	21.57	23.21	20.28	14.78	12.45	16.25	14.08	14.30
NOBS	31.00	28.00	22.00	15.00	15.00	8.00	5.00	5.00
SD	3.16	1.70	3.45	3.53	2.23	3.00	3.11	2.63
CV	14.64	7.34	17.01	23.88	17.20	18.45	22.08	18.42

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 43, CROP - FALLON

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	0.0	31.20	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	31.20	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A ANOMOLOUS POINT (SUSPECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 44, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	17.0	19.1	4.7	8.9	0.0	7.8	0.0	0.0
12	15.7	17.3	11.3	0.0	0.0	0.0	0.0	0.0
13	14.4	14.2	13.8	5.7	0.0	8.5	0.0	0.0
14	14.3	7.65	5.9	0.0	0.0	0.0	0.0	0.0
15	15.2	17.5	10.1	4.1	0.0	10.2	0.0	0.0
16	15.8	18.7	5.8	0.0	0.0	0.0	0.0	0.0
17	11.2	15.1	4.2	13.2F	0.0	11.0	12.4	13.3
18	15.4	16.1	7.0	8.7	0.0	0.0	0.0	0.0
19	13.1	15.4	14.0	7.8	0.0	11.5	12.2	11.3
20	10.2	17.3	10.8	0.0	0.0	0.0	0.0	0.0
21	15.4	17.2	10.5	5.5	0.0	0.0	0.0	0.0
22	11.4	11.65	13.5	6.5	0.0	0.0	0.0	0.0
23	11.1	15.5	13.0	7.0	0.0	10.3	12.8	13.0
24	11.5	18.1	7.4	7.4	0.0	0.0	0.0	0.0
25	12.1	16.0	14.8	10.8	0.0	0.0	0.0	0.0
26	10.6	16.5	15.6	10.0	0.0	0.0	0.0	0.0
27	10.5	14.0	16.5	10.2	0.0	9.8	15.7	15.0
28	16.4	15.4	15.4	7.3	0.0	0.0	0.0	0.0
29	13.2	13.6	11.0	7.2	0.0	11.2	12.3	11.4
30	15.1	14.8	13.8	0.0	0.0	0.0	0.0	0.0
31	14.4	15.3	11.6	6.3	0.0	7.3	0.0	0.0
32	15.8	14.4	15.0	9.0	0.0	0.0	0.0	0.0
33	12.8	41.2F	6.4	7.0	0.0	0.0	0.0	0.0
34	12.3	15.4	9.3	0.0	0.0	0.0	0.0	0.0
35	4.6F	14.1	13.8	5.1	0.0	6.1	0.0	0.0
36	4.4	16.0	0.0	0.0	0.0	0.0	0.0	0.0
37	15.2	17.3	0.0	0.0	0.0	0.0	0.0	0.0
38	16.6	17.3	0.0	0.0	0.0	0.0	0.0	0.0
39	14.5	15.1	0.0	0.0	0.0	0.0	0.0	0.0
40	4.4	15.5	0.0	0.0	0.0	0.0	0.0	0.0
41	14.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0
42	17.5	15.7	0.0	0.0	0.0	0.0	0.0	0.0
43	16.1	16.6	0.0	0.0	0.0	0.0	0.0	0.0
44	15.4	12.5	0.0	0.0	0.0	0.0	0.0	0.0
45	5.4F	15.1	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	SKEN	SKEN	NO

FIRST ITERATION

MODE	13.20	16.10	11.60	7.40	0.0	10.00	12.40	13.00
MEAN	12.97	16.37	11.91	7.84	0.0	9.43	13.08	12.90
NOBS	35.00	34.00	25.00	16.00	0.0	10.00	5.00	5.00
SD	3.02	4.75	4.14	2.06	0.0	1.89	1.48	1.43
CV	23.25	28.65	34.74	25.20	0.0	20.02	11.33	11.15

F OUTSIDE 2.0 STANDARD DEVIATION (ALL OBSERVATIONS)

SECOND ITERATION

MODE	13.00	16.05	11.60	7.35	0.0	10.00	12.40	13.00
MEAN	13.44	16.65	11.91	7.84	0.0	9.43	13.08	12.90
NOBS	33.00	34.00	25.00	16.00	0.0	10.00	5.00	5.00
SD	2.34	2.04	4.14	1.65	0.0	1.89	1.48	1.43
CV	17.75	13.15	34.74	20.98	0.0	20.02	11.33	11.06

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	13.00	16.00	11.60	7.35	0.0	10.00	12.40	13.00
MEAN	13.44	16.18	11.91	7.84	0.0	9.43	13.08	12.90
NOBS	33.00	34.00	25.00	16.00	0.0	10.00	5.00	5.00
SD	2.34	1.84	4.14	1.65	0.0	1.89	1.48	1.43
CV	17.75	10.14	34.74	20.98	0.0	20.02	11.33	11.06

A ANOMOLOUS POINT (SUSPECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	14.65	15.4	9.4	5.1	0.0	0.0	0.0	0.0
12	15.8	17.5	13.8	0.0	0.0	0.0	0.0	0.0
13	19.9	20.6	9.8	0.5	13.1	0.0	0.0	0.0
14	22.9	20.5	17.1	0.0	0.0	0.0	0.0	0.0
15	21.9	21.4	12.4	5.7	8.2	10.5	0.0	0.0
16	18.5F	10.2F	12.1	0.0	0.0	0.0	0.0	0.0
17	15.7	15.2	15.2	8.9	13.6	14.5	12.4	16.3
18	19.1	17.2	7.0	7.5	9.3	0.0	0.0	0.0
19	19.7	19.7	12.7	4.3	5.9	7.8	9.8	12.5
20	15.5	14.8	14.2	0.0	0.0	0.0	0.0	0.0
21	16.4	14.8	14.2	8.7	13.2	0.0	0.0	0.0
22	15.1	18.1	14.2	8.6	10.7	0.0	0.0	0.0
23	19.4	20.7	11.9	8.7	13.9	13.0	15.3	14.4
24	17.7	12.1F	5.5	5.6	7.0	0.0	0.0	0.0
25	21.7	21.5	19.45	5.8	8.0	0.0	0.0	0.0
26	18.3F	12.85	13.3	0.0	0.0	0.0	0.0	0.0
27	14.8	17.0	11.0	5.6	12.0	0.9	13.4	14.4
28	14.5	17.3	10.7	5.6	8.8	0.0	0.0	0.0
29	15.1	17.5	7.9	4.1	7.5	8.0	10.6	13.6
30	21.0	20.4	15.5	0.0	0.0	0.0	0.0	0.0
31	16.9	15.3	10.6	8.0	7.4	7.7	0.0	0.0
32	12.3	14.8	66.1F	0.0	0.0	0.0	0.0	0.0
33	19.5	18.6	12.1	5.7	9.4	0.0	0.0	0.0
34	18.8	16.1	11.4	0.0	0.0	0.0	0.0	0.0
35	21.4	18.6	9.9	5.6	10.1	11.9	0.0	0.0
36	19.5	18.5	0.0	0.0	0.0	0.0	0.0	0.0
37	23.2	22.3	0.0	0.0	0.0	0.0	0.0	0.0
38	21.5	18.6	0.0	0.0	0.0	0.0	0.0	0.0
39	15.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0
40	18.6	15.4	0.0	0.0	0.0	0.0	0.0	0.0
41	15.5	16.4	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	14.1	14.4	0.0	0.0	0.0	0.0	0.0	0.0
44	15.3	19.7	0.0	0.0	0.0	0.0	0.0	0.0
45	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	SKW	NO	NO	NO	NO

FIRST ITERATION

MODE	17.30	14.50	12.10	6.10	9.35	9.70	12.40	14.40
MEAN	17.16	17.87	14.70	6.65	9.88	10.29	12.30	14.24
SD	34.00	33.00	27.00	17.00	16.00	8.00	5.00	5.00
CV	3.92	2.32	11.25	1.63	2.59	2.61	2.20	1.39
	22.87	15.78	76.50	24.49	26.21	25.40	17.89	9.76

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	16.85	18.40	12.10	6.10	9.35	9.70	12.40	14.40
MEAN	17.71	18.33	12.56	6.65	9.88	10.29	12.30	14.24
SD	32.00	31.00	24.00	17.00	16.00	8.00	5.00	5.00
CV	3.34	2.28	3.57	1.63	2.59	2.61	2.20	1.39
	18.84	12.47	28.42	24.49	26.21	25.40	17.89	9.76

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	16.80	18.25	12.10	6.10	9.35	9.70	12.40	14.40
MEAN	17.97	18.51	12.25	6.65	9.88	10.29	12.30	14.24
SD	31.00	30.00	23.00	17.00	16.00	8.00	5.00	5.00
CV	3.04	2.08	3.29	1.63	2.59	2.61	2.20	1.39
	18.92	11.22	26.88	24.49	26.21	25.40	17.89	9.76

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 47, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	17.9	16.1	8.7	7.0	9.7	7.5	0.0	0.0
12	15.0	11.5	3.6F	0.0	0.0	0.0	0.0	0.0
13	18.2	13.0	11.2	9.3	10.7	0.0	0.0	0.0
14	18.8	15.7	11.4	0.0	0.0	0.0	0.0	0.0
15	15.5	16.9	12.3	7.0	10.1	9.4	0.0	0.0
16	13.6	16.5	10.4	0.0	0.0	0.0	0.0	0.0
17	13.9	17.5	9.7	9.4	12.4	8.8	13.0	11.8
18	17.7	18.6	12.6	9.7	12.3	0.0	0.0	0.0
19	15.2	15.1	10.0	13.4	15.1	5.4	14.5	15.3
20	14.7	11.3	7.8	0.0	0.0	0.0	0.0	0.0
21	16.4	13.1	10.6	12.0	4.3	0.0	0.0	0.0
22	19.5	19.6	14.7	13.4	14.0	0.0	0.0	0.0
23	13.6	15.4	8.9	9.4	12.7	8.7	10.7	10.0
24	13.1	10.35	10.9	10.9	13.3	0.0	0.0	0.0
25	12.3	11.4	9.2	8.8	10.2	0.0	0.0	0.0
26	16.4	14.1	11.3	0.0	0.0	0.0	0.0	0.0
27	19.2	19.2	13.5	8.6	12.3	11.0	13.9	15.4
28	15.9	15.2	9.4	8.4	9.7	0.0	0.0	0.0
29	14.2	18.0	11.7	11.3	15.3	0.0	16.5	14.9
30	8.85	13.4	13.4	0.0	0.0	0.0	0.0	0.0
31	18.6	18.1	17.45	12.3	13.2	12.0	0.0	0.0
32	15.0	30.3F	16.1	0.0	0.0	0.0	0.0	0.0
33	14.5	17.4	14.2	8.8	12.4	0.0	0.0	0.0
34	17.1	16.3	15.0	0.0	0.0	0.0	0.0	0.0
35	14.9	18.7	12.3	9.5	14.0	12.1	0.0	0.0
36	13.7	13.2	0.0	0.0	0.0	0.0	0.0	0.0
37	11.2	15.8	0.0	0.0	0.0	0.0	0.0	0.0
38	11.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0
39	10.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0
40	5.2F	18.1	0.0	0.0	0.0	0.0	0.0	0.0
41	12.9	14.3	0.0	0.0	0.0	0.0	0.0	0.0
42	13.5	10.2	0.0	0.0	0.0	0.0	0.0	0.0
43	10.4	15.7	0.0	0.0	0.0	0.0	0.0	0.0
44	9.4	17.0	0.0	0.0	0.0	0.0	0.0	0.0
45	17.2	19.2	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEW	SKEW	SKEW	NO	SKEW

FIRST ITERATION

MODE	15.00	16.10	11.30	9.40	12.40	9.40	13.90	14.90
MEAN	14.85	16.30	11.55	9.75	12.19	9.86	13.72	13.58
NUMS	35.00	35.00	29.00	17.00	17.00	8.00	5.00	5.00
SD	3.21	3.62	3.01	2.26	1.92	1.66	2.12	2.55
CV	21.64	22.22	26.02	23.16	15.77	16.86	15.47	18.80

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	14.95	15.95	11.25	9.40	12.40	9.40	13.90	14.90
MEAN	15.05	15.86	11.88	9.75	12.19	9.86	13.72	13.58
NUMS	34.00	34.00	24.00	17.00	17.00	8.00	5.00	5.00
SD	3.04	2.64	2.50	2.26	1.92	1.66	2.12	2.55
CV	20.22	16.62	21.56	23.16	15.77	16.86	15.47	18.80

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	14.90	15.80	11.20	9.40	12.40	9.40	13.90	14.90
MEAN	15.24	16.05	11.64	9.75	12.19	9.86	13.72	13.58
NUMS	33.00	33.00	23.00	17.00	17.00	8.00	5.00	5.00
SD	2.88	2.49	2.33	2.26	1.92	1.66	2.12	2.55
CV	18.90	15.49	20.00	23.16	15.77	16.86	15.47	18.80

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	12.5	15.6	9.8	20.8	23.1	15.8	0.0	0.0
12	11.1	6.7	12.8	0.0	0.0	0.0	0.0	0.0
13	14.9	11.4	16.6	22.1	24.8S	0.0	0.0	0.0
14	14.9	11.3	18.4	0.0	0.0	0.0	0.0	0.0
15	12.4	6.3	15.2	18.4	20.6	17.2	0.0	0.0
16	14.2	11.2	5.8	0.0	0.0	0.0	0.0	0.0
17	12.3	8.3	7.5	20.9	22.0	15.0	18.1	14.1
18	15.2	12.7	17.8	25.0F	23.0	0.0	0.0	0.0
19	11.4	9.3	11.4	16.1	19.7	15.2	14.1	20.6
20	15.5	8.9	18.0	9.0	0.0	0.0	0.0	0.0
21	14.8	5.0	9.0	13.5	16.5F	0.0	0.0	0.0
22	11.4	13.6	6.7	17.5	20.3F	0.0	0.0	0.0
23	20.1F	13.6	17.5	19.5	21.7	17.2	21.4	17.2
24	11.7	15.4	12.6	16.6	20.6	0.0	0.0	0.0
25	13.0	14.9	0.3	14.1	21.2	0.0	0.0	0.0
26	11.7	12.2	18.9	0.0	0.0	0.0	0.0	0.0
27	19.8	9.1	12.7	17.9	20.5	14.5	10.5	14.6
28	14.0	14.3	8.1	15.0	22.5	0.0	0.0	0.0
29	12.3	14.5	10.1	14.3	20.7	13.7	12.5	12.1
30	13.8	11.4	9.9	0.0	0.0	0.0	0.0	0.0
31	15.1	13.1	4.6	9.5F	17.4	14.2	0.0	0.0
32	10.1	15.6	8.4	0.0	0.0	0.0	0.0	0.0
33	16.4	12.2	10.0	18.1	19.1	0.0	0.0	0.0
34	13.4	9.1	12.3	0.0	0.0	0.0	0.0	0.0
35	11.3	8.1	8.2	10.2	18.9	15.1	0.0	0.0
36	10.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
37	12.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0
38	12.5	14.9	0.0	0.0	0.0	0.0	0.0	0.0
39	13.8	14.0	0.0	0.0	0.0	0.0	0.0	0.0
40	16.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
41	12.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0
42	12.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0
43	9.0S	18.8	0.0	0.0	0.0	0.0	0.0	0.0
44	12.1	16.6	0.0	0.0	0.0	0.0	0.0	0.0
45	16.7	12.4	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	NO	SKEW	NO	NO

FIRST ITERATION								
MODE	12.50	12.20	10.00	18.10	20.70	15.10	18.10	17.20
MEAN	13.02	11.61	11.02	17.90	20.75	15.32	17.52	16.72
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.24	3.32	3.67	3.54	2.08	1.23	3.32	3.42
CV	16.92	28.56	33.31	19.66	10.05	8.00	18.96	20.46

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	12.50	12.20	10.00	17.90	20.65	15.10	18.10	17.20
MEAN	13.02	11.61	11.02	17.90	21.02	15.32	17.52	16.72
NOBS	34.00	35.00	25.00	15.00	16.00	9.00	5.00	5.00
SD	1.92	3.32	3.67	2.35	1.83	1.23	3.32	3.42
CV	14.73	28.56	33.31	13.32	8.71	8.00	18.96	20.46

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	12.50	12.20	10.00	17.90	20.60	15.10	18.10	17.20
MEAN	13.14	11.71	11.02	17.90	20.77	15.32	17.52	16.72
NOBS	33.00	35.00	25.00	15.00	15.00	9.00	5.00	5.00
SD	1.81	3.32	3.67	2.35	1.58	1.23	3.32	3.42
CV	13.77	28.56	33.31	13.32	7.62	8.00	18.96	20.46

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	12.2	6.3	11.2	14.6	15.5	12.3	0.0	0.0
12	17.7	12.1	14.3	0.0	0.0	0.0	0.0	0.0
13	20.25	12.0	13.0	15.1	14.0	0.0	0.0	0.0
14	15.0	11.7	20.2	10.0	0.0	0.0	0.0	0.0
15	21.1F	22.0	16.4	14.2	20.2	15.1	0.0	0.0
16	15.1	9.8	14.3	0.0	0.0	0.0	0.0	0.0
17	14.2	11.4	14.7	10.0	15.7	15.8	17.0	10.3
18	14.2	14.6	15.0	10.4	22.0	0.0	0.0	0.0
19	15.8	17.2	13.5	17.2	15.0	17.5	16.7	17.0
20	15.0	15.7	16.5	0.0	0.0	0.0	0.0	0.0
21	15.9	18.2	20.0	21.8	23.6	0.0	0.0	0.0
22	11.3	9.9	16.9	17.5	18.4	0.0	0.0	0.0
23	13.3	17.8	14.1	20.7	20.5	15.9	21.4	22.0
24	17.3	10.1	16.1	17.8	18.6	0.0	0.0	0.0
25	17.9	12.3	14.4	16.9	17.5	0.0	0.0	0.0
26	10.5	9.2	16.1	0.0	0.0	0.0	0.0	0.0
27	11.9	9.4	6.9	12.1	16.2	16.4	16.1	17.8
28	14.8	9.6	8.9	10.4	13.8	0.0	0.0	0.0
29	14.6	7.7	8.1	12.4	14.0	14.4	18.2	13.9
30	15.0	14.0	9.8	0.0	0.0	0.0	0.0	0.0
31	11.4	16.0	15.0	15.3	15.2	35.5F	0.0	0.0
32	13.9	9.8	13.0	0.0	0.0	0.0	0.0	0.0
33	10.5	8.7	6.2	11.0	14.4	0.0	0.0	0.0
34	9.5	9.3	14.2	0.0	0.0	0.0	0.0	0.0
35	8.4	5.5	6.2	10.1	9.9	9.45	0.0	0.0
36	15.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0
37	12.7	16.5	0.0	0.0	0.0	0.0	0.0	0.0
38	9.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0
39	11.5	11.6	0.0	0.0	0.0	0.0	0.0	0.0
40	9.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0
41	11.2	21.1	0.0	0.0	0.0	0.0	0.0	0.0
42	3.8	14.9	0.0	0.0	0.0	0.0	0.0	0.0
43	11.5	15.4	0.0	0.0	0.0	0.0	0.0	0.0
44	12.2	16.0	0.0	0.0	0.0	0.0	0.0	0.0
45	11.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	SKEW	NO	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	14.60	12.00	14.30	15.30	16.20	15.90	14.10	17.00
MEAN	13.49	13.08	13.46	15.19	16.84	15.35	14.28	16.20
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	3.33	4.65	3.90	3.45	3.43	7.18	1.86	4.39
CV	23.92	35.58	28.98	22.73	20.65	40.61	10.20	27.07

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	14.25	12.00	14.30	15.20	16.20	15.85	14.10	17.00
MEAN	13.69	13.08	13.46	15.19	16.84	15.35	14.28	16.20
NOBS	34.00	35.00	25.00	16.00	17.00	8.00	5.00	5.00
SD	3.13	4.65	3.90	3.45	3.43	2.71	1.86	4.39
CV	22.64	35.58	28.98	22.73	20.65	17.64	10.20	27.07

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	13.40	12.00	14.30	15.20	16.20	15.80	14.10	17.00
MEAN	13.49	13.08	13.46	15.19	16.84	16.20	14.28	16.20
NOBS	33.00	35.00	25.00	16.00	17.00	7.00	5.00	5.00
SD	2.95	4.65	3.90	3.45	3.43	1.34	1.86	4.39
CV	21.88	35.58	28.98	22.73	20.65	8.30	10.20	27.07

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201. FIELD NUMBER 52. CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS,

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	19.3	21.8	20.2	15.6	21.2	17.7	0.0	0.0
12	19.2	19.9	19.5F	0.0	0.0	0.0	0.0	0.0
13	19.4	21.3	14.1	14.4	30.3F	0.0	0.0	0.0
14	22.4	21.3	12.9	0.0	0.0	0.0	0.0	0.0
15	22.5	21.5	20.0	15.5	17.3	20.2F	0.0	0.0
16	17.5	20.5	15.9	0.0	0.0	0.0	0.0	0.0
17	17.1	19.3	19.8	0.0	12.6	15.1	15.4	14.4
18	15.7	20.5	20.1	4.1	15.8	0.0	0.0	0.0
19	15.5	21.4	20.3	8.1	14.0	18.0	20.9	20.4
20	15.9	20.1	17.4	0.0	0.0	0.0	0.0	0.0
21	13.0	20.8	19.1	9.3	14.9	0.0	0.0	0.0
22	14.3	20.4	21.8	12.3	18.4	0.0	0.0	0.0
23	14.3	19.0	20.0	9.3	14.5	18.2	0.0	17.2
24	15.7	20.7	13.7	18.6	14.3	0.0	0.0	0.0
25	14.4	20.5	11.15	9.5	20.7	0.0	0.0	0.0
26	14.7	20.4	14.2	0.0	0.0	0.0	0.0	0.0
27	12.4	21.7	20.4	17.4	19.3	18.1	15.9	18.1
28	22.5	22.2	23.3	8.1	17.6	0.0	0.0	0.0
29	14.2	14.3	19.2	7.2	18.7	17.3	14.9	18.6
30	15.5	14.3	14.7	0.0	0.0	0.0	0.0	0.0
31	21.3	22.4	19.4	0.0	22.0	17.8	0.0	0.0
32	19.8	21.8	20.5	12.4	0.0	0.0	0.0	0.0
33	19.3	21.2	16.3	5.4	18.3	0.0	0.0	0.0
34	17.7	18.7F	28.5F	0.0	0.0	0.0	0.0	0.0
35	17.2	19.4	21.2	9.7	15.2	17.2	0.0	0.0
36	14.4	21.1	0.0	0.0	0.0	0.0	0.0	0.0
37	17.5	14.4	0.0	0.0	0.0	0.0	0.0	0.0
38	18.5	23.5	0.0	0.0	0.0	0.0	0.0	0.0
39	24.85	3.5F	0.0	0.0	0.0	0.0	0.0	0.0
40	18.1	14.1	0.0	0.0	0.0	0.0	0.0	0.0
41	18.1	21.3	0.0	0.0	0.0	0.0	0.0	0.0
42	15.2	14.55	0.0	0.0	0.0	0.0	0.0	0.0
43	62.0F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	18.3	21.5	0.0	0.0	0.0	0.0	0.0	0.0
45	10.15	19.4	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	SKEW	SKEW	SKEW	NO	NO	YES	NO

FIRST ITERATION								
MODE	18.30	20.50	14.70	9.30	18.70	17.30	17.90	16.60
MEAN	14.32	19.71	18.64	10.35	18.54	17.29	18.02	18.94
NOBS	35.00	34.00	25.00	17.00	17.00	9.00	4.00	5.00
SD	9.12	4.05	4.02	4.17	3.97	1.45	2.78	2.20
CV	47.20	20.54	21.51	40.31	21.34	8.33	15.42	12.97

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	18.20	20.50	19.40	9.30	18.55	17.25	17.90	16.60
MEAN	17.84	20.82	18.70	10.35	17.86	16.92	18.02	18.94
NOBS	34.00	32.00	23.00	17.00	16.00	8.00	4.00	5.00
SD	3.43	1.83	2.92	4.17	2.66	1.02	2.78	2.20
CV	19.18	7.88	15.62	40.31	14.90	6.02	15.42	12.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	17.20	20.50	19.30	9.30	18.55	17.25	17.90	16.60
MEAN	17.74	20.82	19.05	10.35	17.86	16.92	18.02	18.94
NOBS	32.00	31.00	22.00	17.00	16.00	8.00	4.00	5.00
SD	2.54	1.20	2.46	4.17	2.66	1.02	2.78	2.20
CV	14.57	5.77	12.93	40.31	14.90	6.02	15.42	12.97

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 53, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	22.7	23.2	22.9	19.7	13.2	11.5	0.0	0.0
12	18.9	14.5	19.4	0.0	0.0	0.0	0.0	0.0
13	12.7F	17.0S	18.6	10.1	7.2	0.0	0.0	0.0
14	15.5	19.4	20.4	0.0	0.0	0.0	0.0	0.0
15	14.5	19.4	19.5	17.9	11.9	9.3	0.0	0.0
16	17.6	20.5	15.6	0.0	0.0	0.0	0.0	0.0
17	21.1	21.9	19.3	11.9	12.4	14.5	11.8	12.4
18	15.0	19.3	20.7	14.9	10.1	0.0	0.0	0.0
19	20.9	20.7	21.1	13.1	11.9	12.3	14.9	13.3
20	22.6	22.5	22.3	0.0	0.0	0.0	0.0	0.0
21	27.0F	21.5	24.6	20.4	12.3	0.0	0.0	0.0
22	22.0	22.4	21.4	12.4	10.6	0.0	0.0	0.0
23	19.4	21.3	21.5	20.1	12.1	16.6	12.7	2.9A
24	13.0	23.0	22.5	19.7	13.6	0.0	0.0	0.0
25	24.6	23.0	22.5	22.9	18.7F	0.0	0.0	0.0
26	22.8	21.4	15.9	0.0	0.0	0.0	0.0	0.0
27	22.8	22.8	9.7F	7.1	10.7	11.8	11.7	13.5
28	16.1	20.0	20.0	9.3	8.6S	0.0	0.0	0.0
29	18.7	19.4	17.8	11.8	9.4	12.1	11.0	12.4
30	19.9	20.4	19.5	0.0	0.0	0.0	0.0	0.0
31	25.3	24.7F	17.7	13.5	0.0	13.2	0.0	0.0
32	14.4	19.4	15.1S	0.0	0.0	0.0	0.0	0.0
33	21.5	16.5F	11.0F	11.7	12.6	0.0	0.0	0.0
34	21.0	21.2	21.0	0.0	0.0	0.0	0.0	0.0
35	25.1	22.8	22.6	14.1	12.6	15.3	0.0	0.0
36	18.3	20.4	0.0	0.0	0.0	0.0	0.0	0.0
37	17.9	19.2	0.0	0.0	0.0	0.0	0.0	0.0
38	21.1	22.4	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	19.3	17.2S	0.0	0.0	0.0	0.0	0.0	0.0
41	21.2	19.5S	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	18.2	20.1	0.0	0.0	0.0	0.0	0.0	0.0
44	18.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0
45	23.9	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	SKEW	SKEW	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	20.90	20.50	20.90	14.10	12.00	12.30	11.80	12.40
MEAN	20.50	20.64	19.33	15.04	11.62	13.07	12.42	11.46
SDMS	33.00	33.00	25.00	17.00	16.00	9.00	5.00	5.00
SU	3.01	1.93	3.55	4.60	2.75	2.37	1.51	4.98
CV	14.59	9.33	18.35	30.63	23.70	18.11	12.18	43.49

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	19.90	20.40	19.50	14.10	11.90	12.30	11.80	12.40
MEAN	20.54	20.70	20.11	15.04	11.15	13.07	12.42	11.46
SDMS	31.00	31.00	23.00	17.00	15.00	9.00	5.00	5.00
SU	2.50	1.70	2.34	4.60	2.08	2.37	1.51	4.98
CV	12.16	8.20	11.90	30.63	18.62	18.11	12.18	43.49

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	19.90	20.40	19.50	14.10	11.90	12.30	11.80	12.40
MEAN	20.54	20.94	20.34	15.04	11.47	13.07	12.42	11.46
SDMS	31.00	29.00	22.00	17.00	14.00	9.00	5.00	5.00
SU	2.50	1.45	2.18	4.60	1.71	2.37	1.51	4.98
CV	12.16	6.92	10.71	30.63	14.93	18.11	12.18	43.49

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 54, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
DEPTH INTERVAL, CM.								
11	22.3	21.5	14.2	17.4	21.4	17.0	0.0	0.0
12	20.5	21.2	15.2	0.0	0.0	0.0	0.0	0.0
13	20.9F	22.0	23.9	23.4	24.3	0.0	0.0	0.0
14	24.4F	25.3S	19.0	0.0	0.0	0.0	0.0	0.0
15	23.1	24.1	23.4	22.2	17.4	21.1	0.0	0.0
16	17.2	14.3S	11.4	0.0	0.0	0.0	0.0	0.0
17	19.1	20.0	11.1	17.6	20.4	18.8	19.5	19.0
18	17.1	21.1	13.1	12.6	19.7	0.0	0.0	0.0
19	21.1	21.4	12.5	17.2	21.7	16.7	20.0	17.5
20	21.9	22.4	19.8	0.0	0.0	0.0	0.0	0.0
21	16.1	20.1	19.0	14.8	18.8	0.0	0.0	0.0
22	16.1	19.0	12.1	15.4	18.6	0.0	0.0	0.0
23	15.2	20.2	15.3	15.4	20.0	19.8	21.1	18.4
24	14.0	20.1	12.4	13.1	18.5	0.0	0.0	0.0
25	16.3	21.3	16.9	16.4	19.8	0.0	0.0	0.0
26	22.0	21.3	18.0	0.0	0.0	0.0	0.0	0.0
27	22.1	22.3	21.8	18.3	21.6	22.7	22.4	21.0
28	16.8	22.2	23.5	22.5	18.8	0.0	0.0	0.0
29	23.5	23.5	23.3	22.8	23.2	17.7	21.2	21.3
30	17.3	19.9	15.9	0.0	0.0	0.0	0.0	0.0
31	20.3	22.4	23.9	17.0	15.4	17.4	0.0	0.0
32	21.5	22.3	21.3	0.0	0.0	0.0	0.0	0.0
33	20.3	22.3	16.5	12.5	17.2	0.0	0.0	0.0
34	19.2	23.5	19.0	0.0	0.0	0.0	0.0	0.0
35	21.9	22.5	21.7	20.2	21.8	18.6	0.0	0.0
36	15.4	21.1	0.0	0.0	0.0	0.0	0.0	0.0
37	18.4	20.5	0.0	0.0	0.0	0.0	0.0	0.0
38	16.4	17.7S	0.0	0.0	0.0	0.0	0.0	0.0
39	21.5	22.3	0.0	0.0	0.0	0.0	0.0	0.0
40	20.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0
41	20.9	22.5	0.0	0.0	0.0	0.0	0.0	0.0
42	17.9	20.4	0.0	0.0	0.0	0.0	0.0	0.0
43	19.6F	30.4F	0.0	0.0	0.0	0.0	0.0	0.0
44	15.7	20.8	0.0	0.0	0.0	0.0	0.0	0.0
45	17.2	22.3	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	SKEW	NO	SKEW	NO	SKEW

FIRST ITERATION

MODE	19.20	22.20	18.00	17.20	19.80	18.60	21.10	19.00
MEAN	18.32	21.43	17.78	17.63	19.86	18.92	20.96	19.50
NOBS	32.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	3.75	2.26	4.27	3.55	2.37	1.97	1.05	1.57
CV	14.40	10.30	24.01	20.12	11.91	10.42	5.01	8.04

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	18.75	22.00	18.00	17.20	19.80	18.60	21.10	19.00
MEAN	18.07	21.07	17.78	17.63	19.86	18.92	20.96	19.50
NOBS	32.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.68	1.68	4.27	3.55	2.37	1.97	1.05	1.57
CV	14.04	7.65	24.01	20.12	11.91	10.42	5.01	8.04

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	18.75	21.60	18.00	17.20	19.80	18.60	21.10	19.00
MEAN	18.07	21.00	17.78	17.63	19.86	18.92	20.96	19.50
NOBS	32.00	31.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.68	1.20	4.27	3.55	2.37	1.97	1.05	1.57
CV	14.04	5.79	24.01	20.12	11.91	10.42	5.01	8.04

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 201, FIELD NUMBER 55, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	17.8	17.0	17.3	16.4	15.2	12.1	0.0	0.0
12	12.4	12.3	10.9	0.0	0.0	0.0	0.0	0.0
13	10.5	15.1	10.7	8.7	13.4	0.0	0.0	0.0
14	15.4	18.2	9.8	0.0	0.0	0.0	0.0	0.0
15	15.7	17.2	9.7	11.5	14.1	11.5	0.0	0.0
16	12.3	17.3	16.3	0.0	0.0	0.0	0.0	0.0
17	15.0	16.0	15.2	7.9	11.5	9.8	12.5	11.4
18	12.8	17.0	13.4	7.4	15.0	0.0	0.0	0.0
19	12.4	14.0	16.0	12.0	0.0	12.0	13.2	11.0
20	10.5	16.7	16.0	0.0	0.0	0.0	0.0	0.0
21	8.3	13.0	17.5	17.8	13.0	0.0	0.0	0.0
22	14.0	17.1	17.8	10.3	14.3	0.0	0.0	0.0
23	12.4	10.1	15.9	8.3	11.9	9.4	14.2	13.7
24	14.8	16.6	14.4	8.3	11.0	0.0	0.0	0.0
25	17.0	18.2	9.9	10.4	12.4	0.0	0.0	0.0
26	4.1	8.3	15.5	0.0	0.0	0.0	0.0	0.0
27	10.8	10.9	15.9	15.1	14.7	2.4	12.4	13.0
28	11.6	10.1	16.2	12.2	11.4	0.0	0.0	0.0
29	7.6	9.5	16.2	14.7	15.5	15.3	9.6	15.7
30	8.4	13.7	19.7	0.0	0.0	0.0	0.0	0.0
31	5.3	14.1	8.5	12.3	11.4	7.4	0.0	0.0
32	4.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0
33	17.1	20.2	10.1	0.0	0.0	0.0	0.0	0.0
34	3.8	8.5	10.4	0.0	0.0	0.0	0.0	0.0
35	9.3	15.1	10.3	15.2	14.0	11.0	0.0	0.0
36	14.2	18.8	0.0	0.0	0.0	0.0	0.0	0.0
37	16.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0
38	18.5	18.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	10.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0
42	5.5	12.7	0.0	0.0	0.0	0.0	0.0	0.0
43	18.7	18.0	0.0	0.0	0.0	0.0	0.0	0.0
44	16.9	12.2	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	YES	YES	NO	NO	NO	YES	NO

FIRST ITERATION

MODE	12.85	16.60	15.70	12.25	13.90	11.00	12.90	13.00
MEAN	12.57	15.41	13.42	12.31	13.39	10.21	12.48	12.96
NUMS	32.00	33.00	24.00	16.00	15.00	9.00	5.00	5.00
SU	4.56	3.16	3.71	3.34	1.52	3.47	1.73	1.89
CV	36.30	20.51	20.63	27.15	11.32	34.03	13.85	14.61

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	12.85	16.50	15.50	12.25	13.90	10.45	12.90	13.00
MEAN	12.57	15.86	14.27	12.31	13.39	11.12	12.48	12.96
NUMS	32.00	31.00	23.00	16.00	15.00	8.00	5.00	5.00
SU	4.56	2.63	3.39	3.34	1.52	2.28	1.73	1.89
CV	36.30	16.80	23.74	27.15	11.32	20.51	13.85	14.61

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	12.85	16.10	15.50	12.25	13.90	10.45	12.90	13.00
MEAN	12.57	16.27	14.27	12.31	13.39	11.12	12.48	12.96
NUMS	32.00	29.00	23.00	16.00	15.00	8.00	5.00	5.00
SU	4.56	2.22	3.39	3.34	1.52	2.28	1.73	1.89
CV	36.30	13.62	23.74	27.15	11.32	20.51	13.85	14.61

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 1, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	30.2	28.2	26.9	27.3	23.3	24.0	0.0	0.0
12	31.5	32.7	32.0	0.0	0.0	0.0	0.0	0.0
13	27.5	27.4	28.3	22.2F	19.7	0.0	0.0	0.0
14	30.8	31.8	29.5	0.0	0.0	0.0	0.0	0.0
15	30.4	29.0	33.7	30.1	29.5	24.0	0.0	0.0
16	24.4	27.0	24.7	0.0	0.0	0.0	0.0	0.0
17	33.3	34.3	34.6	29.9	29.1	21.2	20.1	13.5
18	35.5	34.1	34.4	28.9	25.7	0.0	0.0	0.0
19	31.1	27.1	24.0	27.2	23.7	20.3	17.5	11.1
20	32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	33.1	31.1	28.3	27.5	23.6	0.0	0.0	0.0
22	33.0	30.5	30.3	29.2	23.4	0.0	0.0	0.0
23	31.7	30.8	29.0	28.3	22.3	22.6	27.8	23.6
24	28.9	28.1	26.7	25.6	24.3	0.0	0.0	0.0
25	34.8	0.0	32.2	31.1	28.0	0.0	0.0	0.0
26	26.25	24.4F	15.0F	0.0	0.0	0.0	0.0	0.0
27	29.4	30.5	30.9	24.2	22.5	27.0	18.6	15.3
28	35.8	31.4	26.0	30.8	26.5	0.0	0.0	0.0
29	30.0	29.4	26.1	26.3	25.1	28.2	21.6	20.5
30	35.8	34.3	0.0	0.0	0.0	0.0	0.0	0.0
31	31.1	29.0	27.6	25.3	19.3	23.8	0.0	0.0
32	33.1	28.0	27.6	0.0	0.0	0.0	0.0	0.0
33	29.4	24.3	31.5	31.0	31.7	0.0	0.0	0.0
34	31.2	30.9	30.4	0.0	0.0	0.0	0.0	0.0
35	25.1F	23.2F	24.0	23.3S	24.3	23.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATYDIAL	NO	NO	NO	NO	NO	SKE	NO	SKE

FIRST ITERATION

MODE	31.10	29.90	29.00	28.30	25.30	24.00	20.10	16.00
MEAN	31.18	29.89	28.73	27.87	25.28	24.46	21.12	17.78
MODS	25.00	23.00	23.00	17.00	17.00	9.00	5.00	5.00
SU	2.79	2.79	4.00	2.63	3.34	2.26	4.04	4.15
CV	7.94	9.33	14.17	9.43	13.21	9.25	19.14	23.34

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	31.00	29.80	28.65	28.05	25.30	24.00	20.10	16.00
MEAN	31.43	30.49	29.31	28.22	25.28	24.46	21.12	17.78
MODS	24.00	21.00	22.00	16.00	17.00	9.00	5.00	5.00
SU	2.54	2.05	3.01	2.26	3.34	2.26	4.04	4.15
CV	7.07	6.73	10.28	7.99	13.21	9.25	19.14	23.34

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	30.90	29.80	28.65	27.80	25.30	24.00	20.10	16.00
MEAN	31.66	30.49	29.31	28.55	25.28	24.46	21.12	17.78
MODS	23.00	21.00	22.00	15.00	17.00	9.00	5.00	5.00
SU	2.33	2.05	3.01	1.90	3.34	2.26	4.04	4.15
CV	7.36	6.73	10.28	6.65	13.21	9.25	19.14	23.34

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 2, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-15	0-15	15-30	30-45
11	28.1	27.4	26.7	23.1	16.5F	20.5	0.0	0.0
12	27.0	26.4	25.8	0.0	0.0	0.0	0.0	0.0
13	28.5	29.4	26.7	24.8	19.4	0.0	0.0	0.0
14	31.3	32.3	30.1	0.0	0.0	0.0	0.0	0.0
15	34.3	29.7	24.5	26.8	23.5	20.8	0.0	0.0
16	29.8	23.7	24.7	0.0	0.0	0.0	0.0	0.0
17	27.9	15.0F	21.3F	22.4	0.0	24.5	23.5	13.6
18	29.1	0.0	0.0	0.0	24.1	0.0	0.0	0.0
19	31.1	31.8	30.4	29.2	25.1	23.4	15.3	15.0
21	32.7	31.5	24.9	0.0	0.0	0.0	0.0	0.0
22	29.1	31.8	27.1	27.3	27.5	0.0	0.0	0.0
23	34.5	33.7S	31.2	28.2	27.2	22.4	29.2	15.3
24	32.3	29.4	29.8	25.4	22.3	0.0	0.0	0.0
25	35.3	25.9	24.8	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	24.8	25.0	26.8	24.7	26.8	0.0	18.2	14.2
28	30.4	29.7	30.5	30.5	31.4	0.0	0.0	0.0
29	29.1	29.3	28.1	28.4	28.4	31.2	24.7	14.3
30	31.9	30.9	29.7	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKEW	NO	NO	SKEW	NO	SKEW

FIRST ITERATION

MODE	29.60	29.40	28.85	28.20	25.90	24.15	23.50	16.00
MEAN	30.40	28.80	27.90	27.48	24.94	24.87	22.18	16.68
SD	17.00	14.00	12.00	12.00	12.00	6.00	5.00	5.00
SU	2.20	3.71	2.04	2.45	4.14	3.75	3.49	2.50
CV	7.25	12.49	4.43	8.92	16.58	15.08	24.75	15.01

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	29.60	29.35	28.60	28.20	25.70	24.15	23.50	16.00
MEAN	30.40	29.53	28.35	27.48	25.71	24.87	22.18	16.68
SD	19.00	18.00	17.00	12.00	11.00	6.00	5.00	5.00
SU	2.20	1.94	2.11	2.45	3.32	3.75	3.49	2.50
CV	7.25	6.57	7.45	8.92	12.93	15.08	24.75	15.01

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	29.60	29.30	28.60	28.20	25.70	24.15	23.50	16.00
MEAN	30.40	29.29	28.35	27.48	25.71	24.87	22.18	16.68
SD	19.00	17.00	17.00	12.00	11.00	6.00	5.00	5.00
SU	2.20	1.89	2.11	2.45	3.32	3.75	3.49	2.50
CV	7.25	5.78	7.45	8.92	12.93	15.08	24.75	15.01

A ANOMOLOUS POINT (SUSPECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	27.75	32.4	29.3	31.4	32.8	32.6	0.0	0.0
12	32.3	30.8	32.7	0.0	0.0	0.0	0.0	0.0
13	30.0	30.0	30.5	32.5	32.1	0.0	0.0	0.0
14	31.5	31.9	30.5	0.0	0.0	0.0	0.0	0.0
15	32.3	30.8	32.5	32.7	30.8	33.4	0.0	0.0
16	25.8	30.9	31.5	0.0	0.0	0.0	0.0	0.0
17	32.2	30.3	35.5	36.4	35.0	31.1	19.2	13.4
18	32.1	32.5	32.0	32.7	25.7	0.0	0.0	0.0
19	34.5	31.5	34.2	30.4	34.7	33.0	25.2 A	14.5
20	34.0	34.45	34.4	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	33.2	30.2	24.5	0.0	0.0	0.0	0.0	0.0
27	31.4	24.9	31.5	24.0	32.2	29.7	18.5	12.9
28	30.8	29.5	28.2	26.3	23.4	0.0	0.0	0.0
29	32.9	30.3	27.8	27.7	24.6	26.6	18.6	13.3
30	33.7	0.0	29.7	0.0	0.0	0.0	0.0	0.0
31	31.4	29.9	24.4	26.3	17.7	21.4 F	0.0	0.0
32	33.8	29.4	32.5	0.0	0.0	0.0	0.0	0.0
33	0.0	23.4 F	15.9 F	23.0	17.7	0.0	0.0	0.0
34	33.9	32.0	30.8	0.0	0.0	0.0	0.0	0.0
35	33.3	29.9	27.4	23.2	18.7	29.4	0.0	0.0
36	35.65	33.2	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	31.1	30.6	0.0	0.0	0.0	0.0	0.0	0.0
39	32.0	31.9	0.0	0.0	0.0	0.0	0.0	0.0
40	31.3	24.4	0.0	0.0	0.0	0.0	0.0	0.0
41	32.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0
42	31.7	30.6	0.0	0.0	0.0	0.0	0.0	0.0
43	32.2	31.6	0.0	0.0	0.0	0.0	0.0	0.0
44	32.3	30.9	0.0	0.0	0.0	0.0	0.0	0.0
45	30.5	30.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SKEW	NO	SKEW	NO

FIRST ITERATION

MODE	32.15	30.60	30.70	29.70	29.75	30.40	19.00	13.50
MEAN	32.13	30.58	30.45	29.42	27.37	24.95	20.82	13.65
NOBS	24.00	26.00	20.00	12.00	12.00	4.00	4.00	4.00
SD	2.23	1.92	3.45	4.14	6.66	3.74	3.99	0.70
CV	0.95	0.28	11.31	14.08	24.33	12.50	19.18	5.13

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	32.05	30.60	30.60	29.70	29.75	29.70	19.00	13.60
MEAN	32.15	30.83	31.01	29.42	27.37	31.11	20.82	13.65
NOBS	26.00	27.00	19.00	12.00	12.00	7.00	4.00	4.00
SD	1.55	1.41	2.45	4.14	6.66	1.93	3.99	0.70
CV	4.82	4.58	7.91	14.08	24.33	6.19	19.18	5.13

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	32.00	30.45	30.60	29.70	29.75	29.70	19.00	13.60
MEAN	32.19	30.70	31.81	29.42	27.37	31.11	20.82	13.65
NOBS	24.00	26.00	19.00	12.00	12.00	7.00	4.00	4.00
SD	1.11	1.24	2.45	4.14	6.66	1.93	3.99	0.70
CV	3.45	4.05	7.91	14.08	24.33	6.19	19.18	5.13

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA. 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202. FIELD NUMBER 4. CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

[illegible]

FIRST ITERATION								
TIME	24.70	23.50	22.00	15.30	8.20	14.70	10.20	9.40
MEAN	25.47	23.52	22.15	15.12	8.81	15.57	10.50	10.29
SDS	27.97	27.00	19.00	13.00	13.00	7.00	7.00	2.00
SD	2.11	1.82	2.40	0.07	4.81	2.04	1.33	0.61
CV	2.31	1.72	11.13	49.17	49.02	15.35	12.71	6.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	24.70	23.45	21.50	15.30	7.75	14.70	10.20	4.40
MEAN	25.05	23.40	21.77	15.17	8.83	14.57	10.50	10.24
NUMS	27.00	24.00	15.00	13.00	12.00	7.00	5.00	3.00
SD	1.44	1.34	1.84	8.07	3.44	2.09	1.33	0.61
CV	5.84	5.43	8.64	40.18	34.44	14.35	12.71	2.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL	24.70	23.40	21.00	15.30	7.30	14.70	10.20	3.40
MOJE	24.93	23.51	22.04	15.12	8.10	14.57	10.50	10.24
MEAN	20.00	27.00	17.00	14.00	11.00	7.00	3.00	3.00
NUMS	1.34	1.27	1.57	6.07	2.45	2.09	1.33	0.61
SD	5.37	5.39	7.15	40.18	30.26	14.35	12.71	6.00
CV								

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	31.2	23.5	22.3	9.7	6.0	26.5	0.0	0.0
12	21.5	18.9F	3.9F	0.0	0.0	0.0	0.0	0.0
13	31.7	23.3	20.0	8.5	7.0	0.0	0.0	0.0
14	31.6	15.0S	5.4F	0.0	0.0	0.0	0.0	0.0
15	32.0	23.6	18.7	10.1	7.8	28.0	0.0	0.0
16	30.0	22.7	13.3	0.0	0.0	0.0	0.0	0.0
17	32.7	22.7	22.9	8.6	6.0	15.1	10.3	6.8
18	33.4	25.0	23.4	11.1	5.7	0.0	0.0	0.0
19	33.3 A	28.0	23.6	17.3	5.2	26.5	23.5 A	6.6
20	31.1	23.3	21.4	0.0	0.0	0.0	0.0	0.0
21	27.1	23.0	21.8	21.0	6.2	0.0	0.0	0.0
22	28.1	24.3	14.7	5.9	6.1	0.0	0.0	0.0
23	28.5	24.7	19.9	8.1	6.4	13.2	6.5	7.2
24	26.9S	27.1	25.1	22.1	23.8F	0.0	0.0	0.0
25	26.0	24.2	18.1	13.1	7.8	0.0	0.0	0.0
26	32.3	24.7	24.1	0.0	0.0	0.0	0.0	0.0
27	29.8	25.6	25.0	23.5	5.8	17.3	6.1	6.4
28	30.8	15.7S	8.6S	5.3	5.4	0.0	0.0	0.0
29	32.2	23.3	22.0	11.5	6.4	19.8	5.4	14.6 A
30	32.0	24.7	22.3	0.0	0.0	0.0	0.0	0.0
31	31.5	23.6	22.3	20.0	4.4S	22.7	0.0	0.0
32	62.1F	25.9	0.0	0.0	0.0	0.0	0.0	0.0
33	25.0	0.0	21.1	18.3	8.0	0.0	0.0	0.0
34	37.0	26.4	24.6	0.0	0.0	0.0	0.0	0.0
35	31.3	20.6	0.0	23.3	0.0	0.0	0.0	0.0
36	27.1	20.0	0.0	0.0	0.0	0.0	0.0	0.0
37	34.5	24.8	0.0	0.0	0.0	0.0	0.0	0.0
38	27.3	27.7	0.0	0.0	0.0	0.0	0.0	0.0
39	33.2	24.2	0.0	0.0	0.0	0.0	0.0	0.0
40	32.0	60.9F	0.0	0.0	0.0	0.0	0.0	0.0
41	33.2	28.7	0.0	0.0	0.0	0.0	0.0	0.0
42	60.0F	27.7	0.0	0.0	0.0	0.0	0.0	0.0
43	24.6	14.5	0.0	0.0	0.0	0.0	0.0	0.0
44	22.4	20.2	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	25.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	SKEW	SKEW	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	31.60	24.50	21.90	11.50	6.30	21.25	6.60	7.60
MEAN	33.64	24.64	19.37	13.86	7.63	21.14	10.48	8.10
NOBS	34.00	34.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	11.73	7.58	6.12	6.27	4.45	5.64	7.50	4.35
CV	34.84	30.76	31.54	45.25	58.53	26.70	71.53	38.06

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	31.40	24.25	21.40	11.50	6.20	21.25	6.60	7.60
MEAN	31.13	24.00	20.77	13.86	6.52	21.14	10.48	8.10
NOBS	32.00	32.00	21.00	17.00	15.00	8.00	5.00	5.00
SD	5.83	3.21	4.17	6.27	1.10	5.64	7.50	3.35
CV	18.16	13.34	20.04	45.25	16.82	26.70	71.53	38.06

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	31.30	23.90	21.45	11.50	6.15	21.25	6.60	7.60
MEAN	30.83	24.57	21.38	13.86	6.31	21.14	10.48	8.10
NOBS	31.00	30.00	20.00	17.00	14.00	8.00	5.00	5.00
SD	4.20	2.35	3.18	6.27	0.78	5.64	7.50	3.35
CV	13.71	9.56	14.84	45.25	12.34	26.70	71.53	38.06

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.5	25.4	25.5	19.7	16.2	7.6F	0.0	0.0
12	31.2	28.7	25.1	0.0	0.0	0.0	0.0	0.0
13	32.0	30.2	27.7	24.6	14.3	0.0	0.0	0.0
14	33.6	30.4	28.4	0.0	0.0	0.0	0.0	0.0
15	27.2	24.3	24.0	14.0	19.1	21.4	0.0	0.0
16	30.2	29.1	27.9	0.0	0.0	0.0	0.0	0.0
17	27.0	25.1	21.9F	10.0F	12.3	20.7	18.7	20.0
18	31.5	27.5	26.0	24.1	17.4	0.0	0.0	0.0
19	31.5	27.5	26.1	20.2	21.5	27.4	22.3	20.5
20	31.5	27.5	25.4	0.0	0.0	0.0	0.0	0.0
21	28.4	28.4	27.5	23.4	19.5	0.0	0.0	0.0
22	28.4	28.4	27.3	23.2	15.2	0.0	0.0	0.0
23	25.4F	25.3	23.7	18.3	20.0	23.6	19.7	18.5
24	30.3	30.7	30.6	20.1	23.4	0.0	0.0	0.0
25	33.5	31.1	29.0	20.8	23.5	0.0	0.0	0.0
26	33.5	32.2	30.0	0.0	0.0	0.0	0.0	0.0
27	28.5	28.5	25.2	17.2	14.3	17.1	19.6	20.3
28	29.5	28.0	25.4	14.8	17.7	0.0	0.0	0.0
29	30.8	29.7	26.3	10.4	16.8	22.3	21.3	20.9
30	29.4	29.5	26.3	0.0	0.0	0.0	0.0	0.0
31	30.7	30.3	24.3	20.3	21.0	21.8	0.0	0.0
32	31.3	27.4	27.0	0.0	0.0	0.0	0.0	0.0
33	27.3	27.4	24.9	14.4	17.0	0.0	0.0	0.0
34	30.2	20.0	24.7	0.0	0.0	0.0	0.0	0.0
35	30.2	15.7F	27.7	25.7	13.3	22.2	0.0	0.0
36	30.4	27.5	0.0	0.0	0.0	0.0	0.0	0.0
37	31.7	28.0	0.0	0.0	0.0	0.0	0.0	0.0
38	31.0	29.4	0.0	0.0	0.0	0.0	0.0	0.0
39	29.8	27.6	0.0	0.0	0.0	0.0	0.0	0.0
40	31.2	23.5	0.0	0.0	0.0	0.0	0.0	0.0
41	31.1	29.7	0.0	0.0	0.0	0.0	0.0	0.0
42	31.3	20.4	0.0	0.0	0.0	0.0	0.0	0.0
43	32.5	29.8	0.0	0.0	0.0	0.0	0.0	0.0
44	30.7	29.8	0.0	0.0	0.0	0.0	0.0	0.0
45	31.1	27.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	30.70	27.90	26.90	23.40	17.70	21.80	19.70	20.30
MEAN	30.37	27.53	26.53	21.84	17.86	20.51	20.32	20.04
NUMS	33.00	33.00	23.00	17.00	17.00	5.00	5.00	5.00
SD	1.65	2.86	2.09	4.58	3.42	5.60	1.45	0.92
CV	5.04	10.37	7.85	20.92	19.16	27.31	7.13	4.60

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	30.55	27.75	26.60	23.30	17.70	21.60	19.70	20.30
MEAN	30.51	27.88	26.72	22.54	17.86	22.12	20.32	20.04
NUMS	34.00	34.00	24.00	16.00	17.00	8.00	5.00	5.00
SD	1.66	2.01	1.84	3.66	3.42	3.01	1.45	0.92
CV	5.43	7.20	7.07	16.24	19.16	13.61	7.13	4.60

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	30.40	27.80	26.30	23.30	17.70	21.60	19.70	20.30
MEAN	30.62	27.75	26.56	22.54	17.86	22.12	20.32	20.04
NUMS	33.00	33.00	23.00	16.00	17.00	5.00	5.00	5.00
SD	1.56	1.89	1.74	3.66	3.42	3.01	1.45	0.92
CV	5.10	6.80	6.55	16.24	19.16	13.61	7.13	4.60

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	31.2	23.5	22.3	9.7	6.6	26.5	0.0	0.0
12	21.5	23.9F	3.9F	0.0	0.0	0.0	0.0	0.0
13	31.7	23.3	20.0	8.5	7.0	0.0	0.0	0.0
14	33.6	15.0S	5.4F	0.0	0.0	0.0	0.0	0.0
15	32.0	23.4	18.7	10.1	7.8	28.0	0.0	0.0
16	30.0	22.7	13.3	0.0	0.0	0.0	0.0	0.0
17	32.7	22.7	22.9	0.0	6.0	15.1	10.3	6.8
18	33.5	25.0	23.4	11.1	5.7	0.0	0.0	0.0
19	37.3 A	26.0	23.6	17.3	5.2	20.5	23.5 A	5.6
20	31.1	23.3	21.9	0.0	0.0	0.0	0.0	0.0
21	27.1	23.0	21.8	21.0	6.2	0.0	0.0	0.0
22	28.1	24.3	14.7	5.9	5.1	0.0	0.0	0.0
23	28.5	24.7	19.9	8.1	0.4	13.2	6.6	7.6
24	26.0S	27.1	25.1	22.1	23.8F	0.0	0.0	0.0
25	26.0	24.2	18.1	13.1	7.8	0.0	0.0	0.0
26	32.5	24.7	24.1	0.0	0.0	0.0	0.0	0.0
27	29.8	25.6	25.0	23.5	5.8	17.3	6.1	6.4
28	30.8	15.7S	8.6S	5.3	5.4	0.0	0.0	0.0
29	32.2	23.3	22.0	11.5	6.4	19.8	5.9	14.6 A
30	32.0	24.7	22.3	0.0	0.0	0.0	0.0	0.0
31	31.5	23.6	22.8	20.0	4.4S	22.7	0.0	0.0
32	62.1F	25.9	0.0	0.0	0.0	0.0	0.0	0.0
33	25.0	0.0	21.1	10.3	5.0	0.0	0.0	0.0
34	37.0	26.9	24.6	0.0	0.0	0.0	0.0	0.0
35	31.3	0.0	0.0	23.3	0.0	0.0	0.0	0.0
36	27.1	20.0	0.0	0.0	0.0	0.0	0.0	0.0
37	34.5	24.5	0.0	0.0	0.0	0.0	0.0	0.0
38	27.3	27.7	0.0	0.0	0.0	0.0	0.0	0.0
39	33.2	28.2	0.0	0.0	0.0	0.0	0.0	0.0
40	32.0	60.9F	0.0	0.0	0.0	0.0	0.0	0.0
41	32.2	28.7	0.0	0.0	0.0	0.0	0.0	0.0
42	50.0F	27.7	0.0	0.0	0.0	0.0	0.0	0.0
43	24.6	18.5	0.0	0.0	0.0	0.0	0.0	0.0
44	22.4	20.2	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	SKEW	SKEW	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	31.60	24.50	21.90	11.50	6.30	21.25	6.60	7.60
MEAN	33.67	24.34	19.37	13.86	7.87	21.14	10.48	8.40
NOBS	34.00	34.00	23.00	17.00	16.00	8.00	5.00	5.00
SU	11.73	7.58	6.12	5.27	3.45	5.64	7.50	3.35
CV	34.84	30.76	31.59	45.25	58.53	26.70	71.53	38.06

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	31.40	24.25	21.80	11.50	6.20	21.25	6.60	7.60
MEAN	31.13	24.00	20.77	13.86	6.52	21.14	10.48	8.40
NOBS	32.00	32.00	21.00	17.00	15.00	8.00	5.00	5.00
SU	5.03	3.21	4.17	5.27	1.10	5.64	7.50	3.35
CV	16.16	13.39	20.09	45.25	16.82	26.70	71.53	38.06

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	31.30	23.90	21.45	11.50	6.15	21.25	6.60	7.60
MEAN	30.63	24.57	21.38	13.86	6.31	21.14	10.48	8.40
NOBS	31.00	30.00	20.00	17.00	14.00	8.00	5.00	5.00
SU	4.20	2.35	3.18	5.27	0.78	5.64	7.50	3.35
CV	13.71	9.56	14.89	45.25	12.39	26.70	71.53	38.06

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.5	29.4	25.5	19.7	16.2	7.6F	0.0	0.0
12	31.2	28.7	26.1	0.0	0.0	0.0	0.0	0.0
13	32.0	28.8	27.7	24.6	14.3	0.0	0.0	0.0
14	33.6	30.4	27.4	0.0	0.0	0.0	0.0	0.0
15	27.2	24.3	24.0	14.0	14.1	21.4	0.0	0.0
16	30.2	29.1	27.8	0.0	0.0	0.0	0.0	0.0
17	27.0	25.1	21.4F	10.0F	12.3	20.7	18.7	20.0
18	31.5	27.7	26.4	24.1	17.4	0.0	0.0	0.0
19	31.5	24.8	26.1	20.2	21.5	27.4	22.3	20.7
20	31.5	25.0	23.4	0.0	0.0	0.0	0.0	0.0
21	33.5	28.4	27.5	23.4	19.5	0.0	0.0	0.0
22	32.5	28.2	27.3	23.2	15.2	0.0	0.0	0.0
23	29.4F	25.3	23.7	18.3	20.0	23.6	19.7	18.5
24	30.6	30.7	30.6	20.1	23.4	0.0	0.0	0.0
25	33.5	31.1	29.0	20.8	23.5	0.0	0.0	0.0
26	33.9	32.2	30.0	0.0	0.0	0.0	0.0	0.0
27	30.3	26.3	25.2	17.2	14.3	17.1	14.6	20.3
28	30.0	26.0	25.4	24.8	17.7	0.0	0.0	0.0
29	30.0	25.7	25.4	19.4	16.8	22.3	21.3	20.4
30	30.0	24.5	26.3	0.0	0.0	0.0	0.0	0.0
31	30.7	30.3	24.3	26.3	21.0	21.8	0.0	0.0
32	27.0	27.4	27.0	0.0	0.0	0.0	0.0	0.0
33	30.0	25.0	24.9	19.4	17.0	0.0	0.0	0.0
34	30.0	20.0	24.7	0.0	0.0	0.0	0.0	0.0
35	30.0	15.7F	27.7	25.7	13.3	22.2	0.0	0.0
36	30.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0
37	31.7	28.0	0.0	0.0	0.0	0.0	0.0	0.0
38	31.0	26.4	0.0	0.0	0.0	0.0	0.0	0.0
39	31.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0
40	31.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0
41	31.1	29.7	0.0	0.0	0.0	0.0	0.0	0.0
42	31.3	20.4	0.0	0.0	0.0	0.0	0.0	0.0
43	32.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0
44	30.7	29.4	0.0	0.0	0.0	0.0	0.0	0.0
45	31.1	27.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	30.70	27.90	26.90	23.40	17.70	21.80	19.70	20.30
MEAN	30.37	27.53	27.53	21.84	17.86	20.51	20.32	20.04
NOHS	35.00	35.00	25.00	17.00	17.00	5.00	5.00	5.00
SD	1.65	2.86	2.09	4.50	3.42	5.60	1.45	0.92
CV	5.04	10.37	7.80	20.95	19.16	27.31	7.13	4.60

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	30.55	27.75	26.60	23.30	17.70	21.60	19.70	20.30
MEAN	30.51	27.88	26.72	22.54	17.86	22.12	20.32	20.04
NOHS	34.00	34.00	24.00	16.00	17.00	8.00	5.00	5.00
SD	1.66	2.01	1.84	3.60	3.42	3.01	1.45	0.92
CV	5.43	7.20	7.07	10.24	19.16	13.61	7.13	4.60

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	30.40	27.00	26.30	23.30	17.70	21.60	19.70	20.30
MEAN	30.62	27.75	26.56	22.54	17.86	22.12	20.32	20.04
NOHS	33.00	33.00	23.00	16.00	17.00	8.00	5.00	5.00
SD	1.56	1.89	1.74	3.66	3.42	3.01	1.45	0.92
CV	5.10	6.80	6.55	16.24	19.16	13.61	7.13	4.60

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 7, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	25.5	23.8	20.3	5.2	0.2	16.8	0.0	0.0
12	28.55	23.4	0.0	0.0	0.0	0.0	0.0	0.0
13	27.1	23.5	24.0	21.1	14.45	0.0	0.0	0.0
14	25.7	23.4	16.45	0.0	0.0	0.0	0.0	0.0
15	24.9	23.5	22.1	22.3	14.35	13.0	0.0	0.0
16	25.2	23.7	21.6	0.0	0.0	0.0	0.0	0.0
17	25.9	20.8	24.2	17.0	6.5	13.8	14.5	0.0
18	25.3	23.5	21.6	10.2	5.3	0.0	0.0	0.0
19	25.4	23.5	21.6	10.1	5.7	15.0	11.2	5.3
20	25.0	24.4	25.6	0.0	0.0	0.0	0.0	0.0
21	0.0	23.3	18.7	7.9	8.2	0.0	0.0	0.0
22	24.2	23.2	19.7	7.6	8.0	0.0	0.0	0.0
23	25.4	23.5	22.0	21.9	8.5	7.2	7.1	7.6
24	24.4	23.5	20.4	17.8	8.2	0.0	0.0	0.0
25	23.9	23.2	22.2	19.7	8.5	0.0	0.0	0.0
26	25.2	24.4	21.5	0.0	0.0	0.0	0.0	0.0
27	27.0	25.3	22.4	9.4	8.1	13.7	10.4	4.0
28	23.6	22.7	20.3	7.8	8.8	0.0	0.0	0.0
29	23.0	22.0	12.9	7.4	9.3	14.1	1.5	2.0
30	25.4	21.6	15.0	0.0	0.0	0.0	0.0	0.0
31	37.4F	27.45	25.5	14.1A	7.4	13.5	0.0	0.0
32	34.9F	29.4F	25.4	0.0	0.0	0.0	0.0	0.0
33	35.6F	24.7	24.3	22.3	17.0	0.0	0.0	0.0
34	26.2	23.8	22.1	0.0	0.0	0.0	0.0	0.0
35	23.3	22.5	21.3	4.0	6.9	15.6	0.0	0.0
36	24.8	21.5	0.0	0.0	0.0	0.0	0.0	0.0
37	24.25	25.5	0.0	0.0	0.0	0.0	0.0	0.0
38	23.2	15.4F	0.0	0.0	0.0	0.0	0.0	0.0
39	23.6	22.5	0.0	0.0	0.0	0.0	0.0	0.0
40	24.7	25.2	0.0	0.0	0.0	0.0	0.0	0.0
41	26.3	24.0	0.0	0.0	0.0	0.0	0.0	0.0
42	24.1	22.7	0.0	0.0	0.0	0.0	0.0	0.0
43	24.3	21.4	0.0	0.0	0.0	0.0	0.0	0.0
44	24.1	23.2	0.0	0.0	0.0	0.0	0.0	0.0
45	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	YES	SKEW	NO	NO	SKEW

FIRST ITERATION

MODE	25.20	23.60	21.85	10.20	8.10	13.80	10.40	8.30
MEAN	26.38	24.07	21.47	13.58	8.91	13.97	8.94	8.97
NUMS	34.00	34.00	24.00	17.00	17.00	9.00	5.00	4.00
SD	4.22	2.21	2.45	6.21	3.21	2.24	4.92	3.40
CV	15.99	9.19	13.75	45.74	36.05	16.01	55.05	48.72

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.00	23.50	21.80	10.20	8.05	13.75	10.40	8.30
MEAN	25.16	23.90	21.84	13.58	8.41	14.56	8.94	8.97
NUMS	31.00	31.00	23.00	17.00	16.00	8.00	5.00	4.00
SD	1.44	1.51	2.37	6.21	2.52	1.44	4.92	3.40
CV	5.74	6.31	10.80	45.74	30.03	9.87	55.05	48.72

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	24.90	23.50	21.70	10.20	7.70	13.75	10.40	8.30
MEAN	24.91	23.77	22.04	13.58	7.55	14.56	8.94	8.97
NUMS	29.00	30.00	22.00	17.00	14.00	8.00	5.00	4.00
SD	1.04	1.34	2.10	5.21	1.57	1.44	4.92	3.40
CV	4.38	5.62	9.51	45.74	14.14	9.87	55.05	48.72

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	25.5	24.2	24.3	8.4	9.2	11.9	0.0	0.0
12	30.2	24.8	20.6	0.1	0.0	0.0	0.0	0.0
13	24.7	21.5	4.9F	7.0	7.5	0.0	0.0	0.0
14	27.4	24.0	21.4	0.0	0.0	0.0	0.0	0.0
15	27.4	22.4	20.4	14.1	8.8	16.7	0.0	0.0
16	28.7	24.9	21.2	0.0	0.0	0.0	0.0	0.0
17	29.5	24.5	23.7	13.1	5.8	14.1	5.3	5.4
18	32.5	24.5	24.0	20.9	4.5	2.0	0.0	0.0
19	27.1	24.1	23.0	15.3	5.5	2.3F	4.2	8.4
20	37.1	28.7	21.7	0.0	0.0	0.0	0.0	0.0
21	27.1	26.1	22.1	17.8	5.2	0.0	0.0	0.0
22	30.8	23.9	21.3	17.3	5.6	0.0	0.0	0.0
23	24.4	23.9	25.5	21.1	12.9F	15.1	0.1	3.4
24	33.2	24.0	20.3	16.5	17.8F	0.0	0.0	0.0
25	35.0	25.0	23.5	19.1	8.1	0.0	0.0	0.0
26	28.2	23.8	23.3	0.0	0.0	0.0	0.0	0.0
27	28.1	24.0	19.2	6.9	4.2	14.3	5.8	7.1
28	26.4	25.5	23.5	7.3	6.3	0.0	0.0	0.0
29	24.3	23.0	17.3	7.3	8.0	10.5	7.1	6.5
30	27.2	23.1	11.9F	0.0	0.0	0.0	0.0	0.0
31	22.5	16.8F	6.2F	3.7	5.4	11.0	0.0	0.0
32	33.0	25.4	14.4	0.0	0.0	0.0	0.0	0.0
33	0.0	24.0	15.5	4.4	7.1	0.0	0.0	0.0
34	27.6	25.9	18.8	0.0	0.0	0.0	0.0	0.0
35	27.8	23.4	19.8	11.2	19.3F	20.6	0.0	0.0
36	34.1	32.0F	0.0	0.0	0.0	0.0	0.0	0.0
37	32.4	33.7	0.0	0.0	0.0	0.0	0.0	0.0
38	47.4F	33.8F	0.0	0.0	0.0	0.0	0.0	0.0
39	37.5F	28.0	0.0	0.0	0.0	0.0	0.0	0.0
40	31.4	26.1	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0
42	27.7	23.2	0.0	0.0	0.0	0.0	0.0	0.0
43	27.0	25.4	0.0	0.0	0.0	0.0	0.0	0.0
44	22.1	14.1F	0.0	0.0	0.0	0.0	0.0	0.0
45	31.4	26.6	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	29.50	24.60	21.20	13.10	6.30	14.10	5.80	6.50
MEAN	30.07	25.15	20.02	12.75	8.64	15.00	5.70	6.46
NOBS	33.00	35.00	25.00	17.00	17.00	4.00	5.00	5.00
SD	4.84	3.16	5.13	5.44	4.40	5.12	1.07	0.66
CV	16.24	12.55	25.63	42.94	54.33	34.23	18.69	10.19

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	29.18	24.00	20.60	13.10	6.00	13.00	5.80	6.50
MEAN	29.53	24.93	21.27	12.76	6.71	14.40	5.70	6.46
NOBS	32.00	32.00	23.00	17.00	15.00	8.00	5.00	5.00
SD	3.43	2.14	2.83	5.44	2.15	3.32	1.07	0.66
CV	12.46	8.60	13.20	42.94	32.08	23.44	18.69	10.19

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	28.70	24.00	20.50	13.10	5.95	13.00	5.80	6.50
MEAN	29.27	25.12	21.70	12.76	6.27	14.40	5.70	6.46
NOBS	31.00	31.00	22.00	17.00	14.00	8.00	5.00	5.00
SD	3.59	1.89	2.60	5.44	1.30	3.30	1.07	0.66
CV	12.26	7.53	9.21	42.99	21.62	23.44	18.69	10.19

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 9, CRUP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	18.85	22.3	23.2	22.6	16.2F	20.4	0.0	0.0
12	18.4	21.2	21.7	0.0	0.0	0.0	0.0	0.0
13	23.0	23.6	17.2	11.8	20.9	0.0	0.0	0.0
14	28.7	26.3	27.0	0.0	0.0	0.0	0.0	0.0
15	27.4	26.0	24.3	22.4	24.6	14.2	0.0	0.0
16	20.8	22.1	16.4	0.0	0.0	0.0	0.0	0.0
17	20.8	20.3	20.0	14.1	14.5	20.2	20.3	21.5
18	23.2	24.0	22.3	24.4	24.2	0.0	0.0	0.0
19	21.2	22.6	15.3	12.4	14.6	20.2	22.4	23.4
20	30.2	23.0	24.5	0.0	0.0	0.0	0.0	0.0
21	17.6F	17.4F	20.3	17.8	18.6	0.0	0.0	0.0
22	24.1	21.0	25.4	22.4	19.4	0.0	0.0	0.0
23	24.4	22.5	15.2	16.6	21.3	15.5F	22.2	22.1
24	24.4	22.3	22.2	20.6	14.1	0.0	0.0	0.0
25	28.8	27.4	25.1	22.4	22.9	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	27.1	25.4	23.2	19.0	20.8	22.7	22.8	21.7
28	31.1	25.1	25.5	22.6	23.2	0.0	0.0	0.0
29	27.3	26.2	27.3	20.0	14.3	21.7	21.9	23.1
30	27.3	26.6	21.0	0.0	0.0	0.0	0.0	0.0
31	26.2	24.5	17.7	14.2	22.2	21.4	0.0	0.0
32	26.4	26.4	24.4	0.0	20.0	0.0	0.0	0.0
33	28.6	24.0	23.4	16.2	22.5	0.0	0.0	0.0
34	24.9	24.3	24.2	0.0	0.0	0.0	0.0	0.0
35	24.2	24.0	24.4	18.7	22.4	22.4	0.0	0.0
36	20.3	21.0	0.0	0.0	0.0	0.0	0.0	0.0
37	22.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
38	25.3	23.4	0.0	0.0	0.0	0.0	0.0	0.0
39	25.7	25.1	0.0	0.0	0.0	0.0	0.0	0.0
40	26.2	25.7	0.0	0.0	0.0	0.0	0.0	0.0
41	25.2	25.0	0.0	0.0	0.0	0.0	0.0	0.0
42	26.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0
43	24.8	22.4	0.0	0.0	0.0	0.0	0.0	0.0
44	26.2	26.6	0.0	0.0	0.0	0.0	0.0	0.0
45	28.7	27.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	SKEW	NO	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	26.25	25.10	23.20	14.10	20.90	20.40	22.20	22.50
MEAN	25.63	24.76	22.24	14.06	20.43	20.52	21.42	22.54
NOBS	34.00	34.00	24.00	17.00	17.00	9.00	5.00	5.00
SU	3.74	3.24	3.62	3.83	2.23	2.26	0.46	0.85
CV	14.58	13.09	16.33	20.09	10.62	11.01	4.39	3.78

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	26.20	24.25	23.20	14.10	20.85	20.30	22.20	22.50
MEAN	25.87	24.66	22.20	14.06	21.28	21.15	21.92	22.50
NOBS	33.00	32.00	24.00	17.00	16.00	8.00	5.00	5.00
SU	3.51	2.51	3.62	3.83	1.92	1.34	0.46	0.85
CV	13.57	10.16	16.33	20.09	9.02	6.32	4.39	3.78

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	26.20	24.25	23.20	14.10	20.85	20.30	22.20	22.50
MEAN	26.09	24.66	22.20	14.06	21.28	21.15	21.92	22.50
NOBS	32.00	32.00	24.00	17.00	16.00	8.00	5.00	5.00
SU	3.32	2.51	3.62	3.83	1.92	1.34	0.46	0.85
CV	12.74	10.16	16.33	20.09	9.02	6.32	4.39	3.78

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	23.1	29.2S	19.5	14.2	15.7	10.4	0.0	0.0
12	25.6	22.4	15.5	0.0	0.0	0.0	0.0	0.0
13	24.4	22.7	19.1	11.0	10.5	0.0	0.0	0.0
14	23.0	20.5	15.8	0.0	0.0	0.0	0.0	0.0
15	24.4	22.0	24.0	10.8	16.3	11.5	0.0	0.0
16	26.5S	18.4	0.0	0.0	0.0	0.0	0.0	0.0
17	27.2F	15.8	10.15	0.5	10.1	13.9S	12.2	10.7
18	24.5	22.0	19.2	11.8	14.6	0.0	0.0	0.0
19	24.2	21.3	20.1	11.9	16.1	11.4	7.4	10.6
20	23.7	21.4	13.5	5.0	0.0	0.0	0.0	0.0
21	23.8	20.2	17.6	7.5	8.3	0.0	0.0	0.0
22	25.4	22.3	21.8	20.2F	8.3	0.0	0.0	0.0
23	21.3	20.0	19.5	7.1	9.8	11.5	9.2	3.8
24	22.9	44.3F	15.7	7.4	17.4	0.0	0.0	0.0
25	21.3	20.4	17.0	15.4	8.2	0.0	0.0	0.0
26	21.7	13.0S	10.2S	0.0	0.0	0.0	0.0	0.0
27	21.5	16.3	12.6	4.0	7.1	12.0	12.9	12.0
28	23.0	20.5	21.5	13.0	0.0	0.0	0.0	0.0
29	23.2	20.0	18.3	14.7	6.3	15.7F	10.0	8.8
30	21.0	20.2	0.0	0.0	0.0	0.0	0.0	0.0
31	25.4	22.0	19.3	10.4	0.0	10.5	0.0	0.0
32	22.5	20.4	19.3	0.0	0.0	0.0	0.0	0.0
33	14.4	14.5	17.1	5.9	8.7	0.0	0.0	0.0
34	13.5	22.0	20.5	0.0	0.0	0.0	0.0	0.0
35	20.8	20.1	15.0	8.4	7.8	9.4	0.0	0.0
36	20.1	24.1	0.0	0.0	0.0	0.0	0.0	0.0
37	22.5	21.2	0.0	0.0	0.0	0.0	0.0	0.0
38	20.9	15.4	0.0	0.0	0.0	0.0	0.0	0.0
39	14.7	42.1F	0.0	0.0	0.0	0.0	0.0	0.0
40	20.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0
41	21.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0
42	25.5	23.8	0.0	0.0	0.0	0.0	0.0	0.0
43	23.4	22.2	0.0	0.0	0.0	0.0	0.0	0.0
44	21.8	23.6	0.0	0.0	0.0	0.0	0.0	0.0
45	21.4	14.6	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	SKEW	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	23.00	20.80	17.95	10.80	9.80	11.50	10.00	10.60
MEAN	22.93	22.17	17.10	10.83	11.01	11.27	10.42	10.15
NUMS	35.00	35.00	24.00	17.00	15.00	9.00	5.00	5.00
SD	1.75	0.25	4.05	4.17	3.25	1.84	2.11	1.35
CV	4.54	29.44	23.89	39.25	34.99	15.54	20.27	13.51

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	22.95	20.50	17.60	10.60	9.60	11.45	10.00	10.60
MEAN	22.81	20.74	17.54	10.03	11.01	11.39	10.42	10.18
NUMS	34.00	33.00	23.00	16.00	15.00	8.00	5.00	5.00
SD	1.84	2.78	3.52	3.48	3.85	1.24	2.11	1.38
CV	8.06	13.42	20.05	34.65	34.99	10.85	20.27	13.51

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	22.90	20.50	17.10	10.60	9.60	11.40	10.00	10.60
MEAN	22.89	20.72	18.25	10.03	11.01	11.03	10.42	10.15
NUMS	33.00	31.00	21.00	16.00	15.00	7.00	5.00	5.00
SD	1.75	1.97	2.77	3.48	3.85	0.76	2.11	1.38
CV	7.69	9.51	15.17	34.65	34.99	6.90	20.27	13.51

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	25.0	24.5	25.0	23.7	14.8	19.5	0.0	0.0
12	25.4	25.3	25.7	0.0	0.0	0.0	0.0	0.0
13	25.6	25.4	25.6	25.4	13.8	0.0	0.0	0.0
14	23.3	22.4	21.9	0.0	0.0	0.0	0.0	0.0
15	25.8	33.3F	24.0	21.8	10.6	16.4	0.0	0.0
16	26.7	26.1	25.4	0.0	0.0	0.0	0.0	0.0
17	26.0	26.4	27.2	25.8	21.3F	14.3	13.7	11.1
18	23.8	23.0	27.6	20.2	13.7	0.0	0.0	0.0
19	31.1F	31.4F	27.4F	25.3	17.7	17.8	15.2	15.0
20	26.7	25.4	24.4	0.0	0.0	0.0	0.0	0.0
21	25.4	24.5	23.0	18.4	10.5	0.0	0.0	0.0
22	25.7	25.8	24.1	22.7	15.7	0.0	0.0	0.0
23	24.5	23.8	24.0	22.4	18.7	25.1	15.7	16.5
24	3.7F	23.5	19.3F	19.0	12.3	0.0	0.0	0.0
25	38.5F	25.1	25.3	24.2	13.4	0.0	0.0	0.0
26	24.8	26.1	23.4	0.0	0.0	0.0	0.0	0.0
27	25.4	25.1	24.5	23.0	14.3	20.9	0.0	2.4 A
28	26.0	25.9	25.1	24.5	13.5	0.0	0.0	0.0
29	31.3S	24.3	23.5	20.9	17.6	22.1	17.5	18.1
30	25.8	25.1	21.8	0.0	0.0	0.0	0.0	0.0
31	25.5	24.8	20.8	13.5F	10.0	17.4	0.0	0.0
32	25.0	24.1	21.3	0.0	0.0	0.0	0.0	0.0
33	25.7	25.5	0.0	27.8	15.7	0.0	0.0	0.0
34	24.6	24.9	22.6	0.0	0.0	0.0	0.0	0.0
35	30.4	29.5S	27.4S	23.6	20.0	4.0F	0.0	0.0
36	24.3	23.6	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	26.5	0.0	0.0	0.0	0.0	0.0	0.0
39	25.3	26.2	0.0	0.0	0.0	0.0	0.0	0.0
40	26.4	26.5	0.0	0.0	0.0	0.0	0.0	0.0
41	14.2S	30.6F	0.0	0.0	0.0	0.0	0.0	0.0
42	26.7	26.6	0.0	0.0	0.0	0.0	0.0	0.0
43	25.1	24.0	0.0	0.0	0.0	0.0	0.0	0.0
44	24.7	24.7	0.0	0.0	0.0	0.0	0.0	0.0
45	26.4	27.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	25.40	25.30	24.00	22.70	14.30	14.50	15.45	15.00
MEAN	25.80	25.77	24.04	22.26	14.79	17.72	15.52	12.72
NUMS	15.00	30.00	24.00	17.00	17.00	4.00	5.00	5.00
SD	4.77	2.22	2.25	3.21	3.23	6.05	1.57	6.07
CV	18.47	8.71	9.35	14.43	21.84	34.15	11.09	47.74

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.80	25.10	24.00	22.65	14.05	18.45	15.45	15.00
MEAN	26.04	25.24	24.04	22.81	14.38	19.44	15.52	12.72
NUMS	31.00	32.00	22.00	16.00	16.00	8.00	4.00	5.00
SD	2.31	1.36	1.83	2.36	2.85	3.41	1.57	6.07
CV	8.89	5.37	7.61	10.34	19.82	17.52	10.09	47.74

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.60	25.10	24.00	22.65	14.05	18.45	15.45	15.00
MEAN	25.92	25.11	23.90	22.81	14.38	19.44	15.52	12.72
NUMS	26.00	31.00	21.00	16.00	16.00	8.00	4.00	5.00
SD	1.52	1.13	1.65	2.36	2.85	3.41	1.57	6.07
CV	5.86	4.50	6.96	10.34	19.82	17.52	10.09	47.74

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	26.5	21.4	21.5	20.8	19.7	17.9	0.0	0.0
12	26.5	25.0	25.0	0.0	0.0	0.0	0.0	0.0
13	28.7	32.3	27.6	23.4	20.3	0.0	0.0	0.0
14	31.5	29.2	24.9	0.0	0.0	0.0	0.0	0.0
15	25.4	24.6	26.8	19.8	22.6	25.7	0.0	0.0
16	23.5	22.4	21.9	0.0	0.0	0.0	0.0	0.0
17	24.1	24.0	23.4	20.1	19.2	26.2	22.2	19.4
18	28.5	14.0	0.0	14.4	13.7	0.0	0.0	0.0
19	24.5	20.0	20.4	18.8	15.5	20.8	19.4	19.4
20	24.5	23.0	18.7	0.0	0.0	0.0	0.0	0.0
21	25.1	23.3	23.5	21.4	19.1	0.0	0.0	0.0
22	25.5	25.0	23.0	19.5	0.0	0.0	0.0	0.0
23	27.2	23.2	23.2	20.2	14.0	23.8	21.8	20.5
24	20.4	0.0	20.1	11.5	14.6	0.0	0.0	0.0
25	23.4	24.3	23.0	21.3	21.6	0.0	0.0	0.0
26	27.2	26.5	28.2	0.0	0.0	0.0	0.0	0.0
27	30.4	27.1	28.1	26.0	23.3	22.6	20.1	17.8
28	29.7	24.7	24.4	22.1	18.0	0.0	0.0	0.0
29	23.7	22.7	22.0	20.0	19.9	20.5	18.7	17.5
30	16.8	22.2	24.7	0.0	0.0	0.0	0.0	0.0
31	34.75	33.1	30.0	28.1	28.0	3.8	0.0	0.0
32	26.3	26.1	24.5	0.0	0.0	0.0	0.0	0.0
33	24.5	22.8	21.9	17.7	16.7	0.0	0.0	0.0
34	28.1	26.2	26.7	0.0	0.0	0.0	0.0	0.0
35	32.3	27.7	29.1	25.5	24.5	25.0	0.0	0.0
36	27.5	24.7	0.0	0.0	0.0	0.0	0.0	0.0
37	23.5	23.7	0.0	0.0	0.0	0.0	0.0	0.0
38	23.2	23.1	0.0	0.0	0.0	0.0	0.0	0.0
39	14.4	24.6	0.0	0.0	0.0	0.0	0.0	0.0
40	30.6	25.2	0.0	0.0	0.0	0.0	0.0	0.0
41	24.5	29.5	0.0	0.0	0.0	0.0	0.0	0.0
42	31.5	29.2	0.0	0.0	0.0	0.0	0.0	0.0
43	31.3	27.3	0.0	0.0	0.0	0.0	0.0	0.0
44	21.9	23.4	0.0	0.0	0.0	0.0	0.0	0.0
45	20.4	25.0	0.0	0.0	0.0	0.0	0.0	0.0
BIOMODAL	NO	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	26.50	24.85	23.95	20.20	19.45	22.60	20.10	19.40
MEAN	26.15	25.27	24.14	21.18	19.29	20.59	20.44	18.98
NOBS	35.00	34.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	4.32	3.21	2.79	4.84	4.08	6.96	1.51	1.17
CV	15.46	12.64	11.75	24.00	21.16	33.83	7.41	6.15

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	26.40	24.70	23.50	20.15	19.20	21.70	20.10	19.40
MEAN	26.53	25.03	23.94	20.92	18.71	22.82	20.44	18.98
NOBS	34.00	31.00	23.00	16.00	15.00	8.00	5.00	5.00
SD	4.06	2.41	2.67	3.49	3.43	2.90	1.51	1.17
CV	15.28	9.62	11.16	16.64	18.58	12.69	7.41	6.15

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	26.20	24.65	23.50	20.10	19.20	21.70	20.10	19.40
MEAN	26.54	25.14	23.94	21.55	18.71	22.82	20.44	18.98
NOBS	32.00	30.00	23.00	15.00	15.00	8.00	5.00	5.00
SD	3.61	2.28	2.67	3.04	3.48	2.90	1.51	1.17
CV	13.59	8.98	11.16	14.32	18.58	12.69	7.41	6.15

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	30.1	25.9	21.9	19.9	22.1	22.5	0.0	0.0
12	31.6	28.9	24.3	0.0	0.0	0.0	0.0	0.0
13	29.1	26.0	24.3	19.4	20.7	0.0	0.0	0.0
14	27.5	24.4	20.4	0.0	0.0	0.0	0.0	0.0
15	26.2	24.7	22.8	16.0	19.3	23.3	0.0	0.0
16	27.2	24.0	22.1	0.0	0.0	0.0	0.0	0.0
17	30.9	25.6	21.5	20.0	20.4	3.0F	20.8	20.6
18	27.7	26.0	20.1	18.1	18.4	0.0	0.0	0.0
19	25.5	25.2	15.75	15.4	18.8	14.4	17.2	15.4
20	27.0	26.4	22.2	18.7	21.5	0.0	0.0	0.0
21	34.7F	30.7	26.5	21.9	21.0	0.0	0.0	0.0
22	27.9	24.6	21.5	20.1	21.3	22.4	20.0	20.0
23	25.3	23.0	21.1	16.1	21.1	0.0	0.0	0.0
24	25.1	23.1	18.0	15.8	13.45	0.0	0.0	0.0
25	28.2	28.4	20.1	0.0	0.0	0.0	0.0	0.0
26	28.4	28.7	25.1	21.2	20.5	23.1	13.5	15.4
27	26.9	27.0	25.2	23.2	20.8	0.0	0.0	0.0
28	25.6	25.4	19.8	24.0	30.4F	0.0	19.5	38.2A
29	27.8F	29.5	25.3	20.0	0.0	0.0	0.0	0.0
30	35.4F	31.3	26.55	26.5	19.8	26.2	0.0	0.0
31	30.2	26.9	23.9	0.0	0.0	0.0	0.0	0.0
32	27.6	28.8	24.2	27.1	25.25	0.0	0.0	0.0
33	27.4	27.4	25.2	0.0	0.0	0.0	0.0	0.0
34	26.4	25.9	30.5F	22.4	18.3	20.2	0.0	0.0
35	28.3	27.4	0.0	0.0	0.0	0.0	0.0	0.0
36	27.0	26.8	0.0	0.0	0.0	0.0	0.0	0.0
37	29.1	23.5	0.0	0.0	0.0	0.0	0.0	0.0
38	24.1	25.6	0.0	0.0	0.0	0.0	0.0	0.0
39	24.1	25.6	0.0	0.0	0.0	0.0	0.0	0.0
40	24.1	24.1	0.0	0.0	0.0	0.0	0.0	0.0
41	24.1	25.4	0.0	0.0	0.0	0.0	0.0	0.0
42	31.7	25.2	0.0	0.0	0.0	0.0	0.0	0.0
43	33.85	30.5	0.0	0.0	0.0	0.0	0.0	0.0
44	27.6	25.1	0.0	0.0	0.0	0.0	0.0	0.0
45	24.5	24.9	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	27.90	26.20	22.20	20.00	20.80	22.45	19.50	20.00
MEAN	28.66	26.73	23.35	20.46	21.12	20.09	19.20	22.02
SDS	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
SU	3.03	2.40	4.25	3.41	4.73	3.47	1.34	4.34
CV	10.58	8.94	18.35	16.68	22.40	34.71	7.26	42.43

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	27.80	26.10	22.15	20.00	20.75	22.40	19.50	20.00
MEAN	28.13	26.89	22.80	20.46	20.14	22.44	19.20	22.02
SDS	33.00	34.00	24.00	17.00	16.00	7.00	5.00	5.00
SU	2.09	2.26	3.36	3.41	2.50	2.22	1.34	4.34
CV	7.44	8.40	14.75	16.68	12.41	9.89	7.26	42.43

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	27.75	26.10	22.00	20.00	20.65	22.40	19.50	20.00
MEAN	27.95	26.87	22.77	20.46	20.22	22.44	19.20	22.02
SDS	32.00	34.00	22.00	17.00	14.00	7.00	5.00	5.00
SU	1.86	2.26	2.68	3.41	1.50	2.22	1.34	4.34
CV	6.65	8.40	11.75	16.68	7.40	9.89	7.26	42.43

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	33.1	26.1	24.2	21.3	7.8	18.4	0.0	0.0
12	33.5	23.4	24.5	0.0	0.0	0.0	0.0	0.0
13	46.4	28.0	22.1	10.5S	8.3	0.0	0.0	0.0
14	46.1	29.7	24.8	0.0	0.0	0.0	0.0	0.0
15	46.4S	27.5	24.6	21.3	7.8	17.2	0.0	0.0
16	34.5	31.7S	24.8	0.0	0.0	0.0	0.0	0.0
17	40.8	26.1	26.8	23.0	13.0	15.6	8.1	8.3
18	34.0	27.6	24.6	20.3	6.6	0.0	0.0	0.0
19	33.5	25.8	23.7	20.3	8.4	14.5	7.2	7.3
20	44.3	31.3S	28.6S	0.0	0.0	0.0	0.0	0.0
21	35.4	35.7F	32.4F	23.4	10.3	0.0	0.0	0.0
22	34.4	24.0	23.5	8.4F	10.4	0.0	0.0	0.0
23	36.5	25.3	22.7	24.0	12.5	15.6	8.2	8.5
24	40.7	28.2	25.1	20.9	7.8	0.0	0.0	0.0
25	40.2	26.5	26.3	21.0	7.7	0.0	0.0	0.0
26	31.0	26.2	24.5	0.0	0.0	0.0	0.0	0.0
27	40.2	28.3	25.4	25.7	18.3	16.2	7.0	8.2
28	38.0	24.5	27.6	23.3	19.9	0.0	0.0	0.0
29	36.0	27.5	24.3	9.3S	7.9	21.0	4.2	10.9
30	37.8	27.4	27.2	0.0	0.0	0.0	0.0	0.0
31	25.3F	22.3	24.8	23.5	23.1S	23.1	0.0	0.0
32	32.2	24.5	24.4	0.0	0.0	0.0	0.0	0.0
33	43.3	26.8	23.5	17.7	16.0	0.0	0.0	0.0
34	35.4	30.5	26.3	0.0	0.0	0.0	0.0	0.0
35	35.4	28.1	26.5	0.0	24.9F	16.4	0.0	0.0
36	34.3	27.4	0.0	0.0	0.0	0.0	0.0	0.0
37	33.8	23.5	0.0	0.0	0.0	0.0	0.0	0.0
38	36.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0
39	30.4	25.4	0.0	0.0	0.0	0.0	0.0	0.0
40	24.4	23.0	0.0	0.0	0.0	0.0	0.0	0.0
41	36.3	25.4	0.0	0.0	0.0	0.0	0.0	0.0
42	25.3F	24.4	0.0	0.0	0.0	0.0	0.0	0.0
43	40.7	26.0	0.0	0.0	0.0	0.0	0.0	0.0
44	31.2	23.0	0.0	0.0	0.0	0.0	0.0	0.0
45	32.1	25.3	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	36.30	26.80	24.80	21.15	10.30	17.20	8.10	8.30
MEAN	36.62	26.91	25.35	19.65	12.45	18.01	7.94	8.64
NOBS	35.00	35.00	25.00	16.00	17.00	9.00	5.00	5.00
SD	5.36	2.74	2.11	5.44	5.86	2.59	0.88	1.34
CV	14.63	10.19	8.34	27.68	47.09	14.36	11.11	15.56

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	35.00	26.65	24.80	21.00	9.60	17.20	8.10	8.30
MEAN	37.30	26.65	25.05	20.40	11.67	18.01	7.94	8.64
NOBS	33.00	34.00	24.00	15.00	16.00	9.00	5.00	5.00
SD	4.69	2.31	1.55	4.70	5.07	2.59	0.88	1.34
CV	12.57	8.67	6.19	23.02	43.43	14.36	11.11	15.56

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	36.00	26.35	24.80	20.90	8.90	17.20	8.10	8.30
MEAN	37.00	26.34	24.90	22.02	10.91	18.01	7.94	8.64
NOBS	32.00	32.00	23.00	13.00	15.00	9.00	5.00	5.00
SD	4.43	2.02	1.34	2.12	4.20	2.59	0.88	1.34
CV	11.96	7.65	5.57	9.61	38.44	14.36	11.11	15.56

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 19, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	18.8	20.3	19.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	22.8	19.9	20.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	14.2	17.7	6.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	14.5	17.3	15.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	YES	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	16.65	18.80	17.60
MEAN	0.0	0.0	0.0	0.0	0.0	17.57	18.80	15.52
NUMS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	4.00
SU	0.0	0.0	0.0	0.0	0.0	4.07	1.52	6.58
CV	0.0	0.0	0.0	0.0	0.0	23.15	8.08	42.41

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	16.65	18.80	17.60
MEAN	0.0	0.0	0.0	0.0	0.0	17.57	18.80	15.52
NUMS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	4.00
SU	0.0	0.0	0.0	0.0	0.0	4.07	1.52	6.58
CV	0.0	0.0	0.0	0.0	0.0	23.15	8.08	42.41

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	16.65	18.80	17.60
MEAN	0.0	0.0	0.0	0.0	0.0	17.57	18.80	15.52
NUMS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	4.00
SU	0.0	0.0	0.0	0.0	0.0	4.07	1.52	6.58
CV	0.0	0.0	0.0	0.0	0.0	23.15	8.08	42.41

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 20, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	21.7	22.7	18.4	17.7	17.6	26.3	0.0	0.0
12	20.4	24.4	24.3	0.0	0.0	0.0	0.0	0.0
13	20.2	17.85	4.5f	3.3A	12.1	0.0	0.0	0.0
14	27.7	20.4	30.1	0.0	0.0	0.0	0.0	0.0
15	24.0	22.5	20.9	14.5	20.3	29.2	0.0	0.0
16	24.3	19.9	24.4	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	24.1	0.0	16.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	23.1	11.2	15.2
20	24.4	21.1	21.1	0.0	0.0	0.0	0.0	0.0
21	24.1	25.4	22.0	22.2	15.8	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	20.3	0.0	0.0	27.7	0.0	0.0	0.0
26	0.0	25.7	21.7	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	27.1	0.0	21.4
28	0.0	0.0	0.0	0.0	25.5	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	30.7	26.8	24.8
30	30.3	0.0	30.4	0.0	0.0	0.0	0.0	0.0
31	28.4	25.1	24.0	13.7	10.6	24.4	0.0	0.0
32	34.4f	35.2f	33.5	0.0	0.0	0.0	0.0	0.0
33	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	24.3	24.1	33.2	0.0	0.0	0.0	0.0	0.0
35	26.4	26.5	30.0	31.4A	28.2	27.4	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	YES	NO	NO

FIRST ITERATION

MODE	25.55	25.00	24.15	16.10	18.45	27.25	20.00	19.25
MEAN	25.19	24.45	24.50	17.13	19.72	27.06	20.00	19.88
MODS	13.00	13.00	13.00	6.00	6.00	8.00	2.00	4.00
SD	4.32	4.00	5.54	9.38	6.87	2.48	9.62	4.19
CV	16.45	16.20	20.61	54.73	34.83	9.18	48.08	21.07

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.00	24.90	24.00	16.10	18.95	27.25	20.00	19.25
MEAN	25.52	24.16	25.74	17.13	19.72	27.06	20.00	19.88
MODS	13.00	13.00	13.00	6.00	6.00	8.00	2.00	4.00
SD	3.66	2.90	5.09	9.38	6.87	2.48	9.62	4.19
CV	14.34	11.99	19.79	54.73	34.83	9.18	48.08	21.07

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.00	24.50	24.00	16.10	18.95	27.25	20.00	19.25
MEAN	25.52	24.69	25.74	17.13	19.72	27.06	20.00	19.88
MODS	13.00	12.00	13.00	6.00	6.00	8.00	2.00	4.00
SD	3.66	2.27	5.09	9.38	6.87	2.48	9.62	4.19
CV	14.34	9.21	19.79	54.73	34.83	9.18	48.08	21.07

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1974 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 21, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	5-15	15-30	30-45
11	24.4	28.6	30.3	29.0	29.4	25.4	0.0	0.0
12	25.5	27.0	0.0	0.0	0.0	0.0	0.0	0.0
13	22.9	27.4	19.2F	19.7A	14.2A	0.0	0.0	0.0
14	33.7	31.5	30.7	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	26.7	28.8	25.0	0.0	0.0	0.0	0.0	0.0
17	20.5	26.0	27.7	27.3	25.5	18.8	18.2	17.4
18	31.1	30.5	29.2	28.0	27.1	0.0	0.0	0.0
19	33.5	31.5	30.5	30.0	24.5	35.1A	31.8A	31.8A
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	33.9	32.5	32.5	30.2	28.5	0.0	0.0	0.0
22	29.9	27.5	25.5	24.3	26.9	0.0	0.0	0.0
23	27.3	27.1	25.7	23.7	17.4A	22.8	17.1	16.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	SKEN	NO	SKEN	SKEN	SKEN	SKEN	SKEN

FIRST ITERATION								
MODE	29.50	28.80	27.70	27.65	27.80	24.10	18.20	17.40
MEAN	29.59	29.19	28.71	26.52	25.06	25.50	23.07	21.77
NOBS	11.00	10.00	9.00	8.00	8.00	4.00	3.00	3.00
SD	2.67	2.27	2.64	3.66	5.93	6.89	9.40	8.71
CV	9.01	7.77	9.20	13.81	23.66	27.02	40.74	40.03

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	29.50	28.80	27.70	27.65	27.80	24.10	18.20	17.40
MEAN	29.59	29.19	28.71	26.52	25.06	25.50	23.07	21.77
NOBS	11.00	10.00	9.00	8.00	8.00	4.00	3.00	3.00
SD	2.67	2.27	2.64	3.66	5.93	6.89	9.40	8.71
CV	9.01	7.77	9.20	13.81	23.66	27.02	40.74	40.03

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	29.50	28.80	27.70	27.65	27.80	24.10	18.20	17.40
MEAN	29.59	29.19	28.71	26.52	25.06	25.50	23.07	21.77
NOBS	11.00	10.00	9.00	8.00	8.00	4.00	3.00	3.00
SD	2.67	2.27	2.64	3.66	5.93	6.89	9.40	8.71
CV	9.01	7.77	9.20	13.81	23.66	27.02	40.74	40.03

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 25, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	15-30	30-45
11	26.8	27.4	16.0	24.0	22.7	13.1	0.0
12	26.7	21.4	14.3	0.0	0.0	0.0	0.0
13	26.4	21.7	20.8	15.4S	11.1	0.0	0.0
14	21.7	20.5	20.1	0.0	0.0	0.0	0.0
15	21.7	20.8	20.6	18.8	13.1	17.4	0.0
16	31.4	27.1	25.2	0.0	0.0	0.0	0.0
17	22.3	22.1	22.7	21.6	12.0	16.0	11.4
18	25.1	23.2	23.4	25.3	22.8	0.0	0.0
19	31.7	23.6	23.4	23.1	23.4	12.1	10.0
20	22.1	22.0	21.4	0.0	0.0	0.0	0.0
21	26.9S	23.4	24.4	26.4	12.6	0.0	0.0
22	25.1	23.4	22.1	21.4	12.3	0.0	0.0
23	25.6	23.4	23.2	22.8	20.8	13.6	10.4
24	25.5	23.5	22.5	22.7	22.5	0.0	0.0
25	24.7	22.1	26.4	24.1	17.7	0.0	0.0
26	25.9	22.2	23.9	0.0	0.0	0.0	0.0
27	25.8	22.3	20.5	10.3	7.7	20.8	13.4
28	25.5	22.4	24.4	23.0	13.3	0.0	0.0
29	25.1	22.4	22.2	20.2	9.0	18.5	13.5
30	28.0	26.3	25.2	0.0	0.0	0.0	0.0
31	25.0	24.0	23.3	18.7	11.4	17.4	0.0
32	25.3	24.0	22.5	0.0	0.0	0.0	0.0
33	25.3	24.0	22.5	18.9	8.7	0.0	0.0
34	24.2	22.5	22.2	0.0	0.0	0.0	0.0
35	24.4	22.5	22.5	14.9	9.9	15.2	0.0
36	20.5	20.8	0.0	0.0	0.0	0.0	0.0
37	22.2	22.8	0.0	0.0	0.0	0.0	0.0
38	24.1	23.3	0.0	0.0	0.0	0.0	0.0
39	27.5	22.4	0.0	0.0	0.0	0.0	0.0
40	23.4	23.1	0.0	0.0	0.0	0.0	0.0
41	22.6	20.0	0.0	0.0	0.0	0.0	0.0
42	22.4	21.3	0.0	0.0	0.0	0.0	0.0
43	21.9	21.7	0.0	0.0	0.0	0.0	0.0
44	25.5	27.1	0.0	0.0	0.0	0.0	0.0
45	28.1	27.7	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	SKET	NO	NO

FIRST ITERATION							
MODE	25.30	25.00	23.25	21.40	12.60	17.40	11.90
MEAN	25.25	24.61	23.52	21.39	14.82	16.81	11.94
NUMS	17.00	34.00	24.00	17.00	17.00	4.00	5.00
SD	3.03	2.76	2.76	4.24	5.61	2.54	1.76
CV	12.01	11.20	11.72	19.84	37.88	15.11	14.75

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION							
MODE	25.20	24.90	23.20	21.75	12.60	17.40	11.90
MEAN	25.06	24.44	23.27	22.08	14.82	16.81	11.94
NUMS	34.00	33.00	23.00	16.00	17.00	4.00	5.00
SD	2.85	2.61	2.51	3.24	5.61	2.54	1.76
CV	11.36	10.66	10.79	14.68	37.88	15.11	14.75

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL							
MODE	25.10	24.90	23.00	21.60	12.60	17.40	11.90
MEAN	24.64	24.44	23.01	22.53	14.82	16.81	11.94
NUMS	32.00	33.00	22.00	15.00	17.00	4.00	5.00
SD	2.48	2.61	2.24	2.80	5.61	2.54	1.76
CV	10.06	10.66	9.74	12.44	37.88	15.11	14.75

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 26, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	29.4	31.2	32.8	31.6	31.7	29.0	25.5	23.0
18	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	30.2	29.2	28.7	30.5	30.1	29.3	24.1	22.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	29.2	27.4	29.2	28.8	29.8	20.5	12.2	14.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	30.3	30.4	31.0	30.2	31.1	25.7	15.8	13.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	28.4	28.1	28.3	28.7	29.9	24.0	18.1	13.2
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	29.90	29.20	29.60	30.20	30.10	25.70	18.10	14.00
MEAN	29.78	29.66	30.08	29.52	30.52	25.70	19.14	17.16
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	0.72	1.34	1.84	1.86	0.84	3.67	5.60	5.12
CV	2.42	4.50	6.12	6.31	2.74	14.27	29.26	29.62

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	29.90	29.20	29.60	30.20	30.10	25.70	18.10	14.00
MEAN	29.78	29.66	30.08	29.52	30.52	25.70	19.14	17.16
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	0.72	1.34	1.84	1.86	0.84	3.67	5.60	5.12
CV	2.42	4.50	6.12	6.31	2.74	14.27	29.26	29.62

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	29.90	29.20	29.60	30.20	30.10	25.70	18.10	14.00
MEAN	29.78	29.66	30.08	29.52	30.52	25.70	19.14	17.16
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	0.72	1.34	1.84	1.86	0.84	3.67	5.60	5.12
CV	2.42	4.50	6.12	6.31	2.74	14.27	29.26	29.62

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.1	25.8	26.9	25.5	26.65	13.8	0.0	0.0
12	28.75	27.8	27.5	0.0	0.0	0.0	0.0	0.0
13	25.4	24.1	23.1	20.6	20.2	0.0	0.0	0.0
14	25.7	22.0	19.0	0.0	0.0	0.0	0.0	0.0
15	23.4	22.0	22.2	22.1	17.0	0.0	0.0	0.0
16	25.4	24.4	22.6	0.0	0.0	0.0	0.0	0.0
17	28.3	27.7	25.5	24.3	23.7	12.9	14.1	11.5
18	24.3	23.8	23.5	22.0	18.9	0.0	0.0	0.0
19	25.5	25.5	25.4	23.5	21.5	22.1	10.1	7.5
20	25.2	23.3	24.5	0.0	0.0	0.0	0.0	0.0
21	25.5	23.5	23.1	21.7	19.8	0.0	0.0	0.0
22	23.8	22.3	22.2	20.9	15.1	0.0	0.0	0.0
23	25.0	23.7	22.4	22.2	20.6	22.2	9.5	11.6
24	25.4	26.5	23.7	15.15	20.8	0.0	0.0	0.0
25	23.4	23.0	23.1	22.4	21.7	0.0	0.0	0.0
26	26.5	25.4	22.3	0.0	0.0	0.0	0.0	0.0
27	26.5	25.1	24.3	20.8	17.3	12.3	3.4	11.0
28	23.6	22.5	21.6	19.9	18.3	0.0	0.0	0.0
29	23.8	25.0	24.1	23.7	22.9	13.7	9.4	9.5
30	23.3	23.2	21.7	0.0	0.0	0.0	0.0	0.0
31	26.5	25.4	23.8	26.2	25.2	12.0	0.0	0.0
32	25.8	25.1	26.0	0.0	0.0	0.0	0.0	0.0
33	20.6F	12.9F	17.9F	17.4	15.3	0.0	0.0	0.0
34	19.5F	20.5	20.0	0.0	0.0	0.0	0.0	0.0
35	20.5F	20.4	18.85	14.0F	10.3F	9.4A	0.0	0.0
36	28.45	27.4	0.0	0.0	0.0	0.0	0.0	0.0
37	24.2	22.8	0.0	0.0	0.0	0.0	0.0	0.0
38	24.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0
39	24.6	24.3	0.0	0.0	0.0	0.0	0.0	0.0
40	23.4	23.3	0.0	0.0	0.0	0.0	0.0	0.0
41	25.4	22.5	0.0	0.0	0.0	0.0	0.0	0.0
42	25.1	24.2	0.0	0.0	0.0	0.0	0.0	0.0
43	26.2	26.3	0.0	0.0	0.0	0.0	0.0	0.0
44	25.4	24.2	0.0	0.0	0.0	0.0	0.0	0.0
45	24.1	22.3	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	SKEW	SKEW	SKEW

FIRST ITERATION								
MODE	25.10	23.40	23.13	22.00	20.20	13.30	9.50	11.00
MEAN	24.61	23.79	23.03	21.34	20.02	14.80	10.30	10.64
NOBS	32.00	32.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	1.59	2.04	2.42	3.31	3.81	4.74	2.21	1.02
CV	6.61	11.31	10.50	15.53	19.02	32.01	21.46	9.60

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	24.80	23.80	23.10	21.85	20.00	13.30	9.50	11.00
MEAN	25.24	24.11	23.24	21.80	20.63	14.80	10.30	10.64
NOBS	32.00	34.00	24.00	16.00	16.00	8.00	5.00	5.00
SD	1.45	1.94	2.22	2.81	2.96	4.74	2.21	1.02
CV	5.74	8.05	9.53	12.89	14.36	32.01	21.46	9.60

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	24.55	23.80	23.10	21.70	19.80	13.30	9.50	11.00
MEAN	25.02	24.11	23.43	22.25	20.23	14.80	10.30	10.64
NOBS	30.00	34.00	23.00	15.00	15.00	8.00	5.00	5.00
SD	1.20	1.94	2.05	2.24	2.59	4.74	2.21	1.02
CV	4.79	8.05	8.74	10.09	12.78	32.01	21.46	9.60

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 29, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	27.4	24.5	22.5	23.0	14.0	11.3	8.1	8.7
18	.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	23.3	21.9	21.3	19.0	9.1	8.7	4.4	8.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.9	26.0	0.0	22.9	15.1	19.8	0.0	10.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	25.3	10.0A	20.9	13.2A	14.2	0.0	10.7	10.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	25.8	25.8	25.3	24.4	24.2A	15.7	13.4	12.9
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	SKEW	NO	SKEW	NO	NO	NO

FIRST ITERATION

MODE	25.30	24.50	21.90	22.90	14.20	13.50	10.05	10.40
MEAN	25.34	21.80	22.50	20.50	15.32	13.88	10.40	10.32
NOBS	5.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00
SD	1.44	6.68	1.99	4.55	5.49	4.89	2.26	1.75
CV	5.86	30.92	8.83	22.19	35.84	35.27	21.77	16.96

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.30	24.50	21.90	22.90	14.20	13.50	10.05	10.40
MEAN	25.34	21.80	22.50	20.50	15.32	13.88	10.40	10.32
NOBS	5.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00
SD	1.44	6.68	1.99	4.55	5.49	4.89	2.26	1.75
CV	5.86	30.92	8.83	22.19	35.84	35.27	21.77	16.96

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.30	24.50	21.90	22.90	14.20	13.50	10.05	10.40
MEAN	25.34	21.80	22.50	20.50	15.32	13.88	10.40	10.32
NOBS	5.00	5.00	4.00	5.00	5.00	4.00	4.00	5.00
SD	1.44	6.68	1.99	4.55	5.49	4.89	2.26	1.75
CV	5.86	30.92	8.83	22.19	35.84	35.27	21.77	16.96

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 37, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.				0-15	15-30	30-45
			2-5	5-9	9-15				
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	21.8	22.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	14.3	11.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	22.7	20.6	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	NO	NO	YES	NO	NO

FIRST ITERATION									
MODE	0.0	0.0	0.0	0.0	0.0	22.70	17.80	17.05	
MEAN	0.0	0.0	0.0	0.0	0.0	22.70	17.92	17.05	
NUMS	0.0	0.0	0.0	0.0	0.0	1.00	4.00	2.00	
SD	0.0	0.0	0.0	0.0	0.0	0.0	3.82	7.71	
CV	0.0	0.0	0.0	0.0	0.0	0.0	21.33	45.21	

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION									
MODE	0.0	0.0	0.0	0.0	0.0	0.0	17.80	17.05	
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	17.92	17.05	
NUMS	0.0	0.0	0.0	0.0	0.0	0.0	4.00	2.00	
SD	0.0	0.0	0.0	0.0	0.0	0.0	3.82	7.71	
CV	0.0	0.0	0.0	0.0	0.0	0.0	21.33	45.21	

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL									
MODE	0.0	0.0	0.0	0.0	0.0	0.0	17.80	17.05	
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	17.92	17.05	
NUMS	0.0	0.0	0.0	0.0	0.0	0.0	4.00	2.00	
SD	0.0	0.0	0.0	0.0	0.0	0.0	3.82	7.71	
CV	0.0	0.0	0.0	0.0	0.0	0.0	21.33	45.21	

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 38, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	7.6	10.0	6.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	16.7	7.8	7.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	19.9	8.4	5.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	15.8	7.2	6.4
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	NO	NO	SKEW	NO	NO

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	10.70	7.20	6.50
MEAN	0.0	0.0	0.0	0.0	0.0	12.48	7.56	6.70
NUMS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	5.23	1.49	0.78
CV	0.0	0.0	0.0	0.0	0.0	41.92	19.66	11.61

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	10.70	7.20	6.50
MEAN	0.0	0.0	0.0	0.0	0.0	12.48	7.56	6.70
NUMS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	5.23	1.49	0.78
CV	0.0	0.0	0.0	0.0	0.0	41.92	19.66	11.61

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL MODE	0.0	0.0	0.0	0.0	0.0	10.70	7.20	6.50
FINAL MEAN	0.0	0.0	0.0	0.0	0.0	12.48	7.56	6.70
FINAL NUMS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
FINAL SD	0.0	0.0	0.0	0.0	0.0	5.23	1.49	0.78
FINAL CV	0.0	0.0	0.0	0.0	0.0	41.92	19.66	11.61

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 44, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	23.0	21.5	23.3	11.6S	9.1	8.0	0.0	0.0
12	21.7	20.7	20.0	0.0	0.0	0.0	0.0	0.0
13	17.4	19.7	18.3	17.9	7.1	0.0	0.0	0.0
14	21.4	21.4	19.5	0.0	0.0	0.0	0.0	0.0
15	20.0	13.7	11.7F	18.5	12.4	10.4	0.0	0.0
16	26.4S	22.2	21.3	0.0	0.0	0.0	0.0	0.0
17	22.4	23.4	22.4	15.3	18.2	13.8	19.6	14.5
18	25.4S	24.3S	16.5S	14.4	10.4	0.0	0.0	0.0
19	19.3	22.4	21.3	17.8	11.0	12.1	11.5	10.8
20	21.4	20.1	17.1	0.0	0.0	0.0	0.0	0.0
21	17.8	20.3	19.2	11.9S	5.4	0.0	0.0	0.0
22	21.4	13.6F	17.0	8.3F	10.0	0.0	0.0	0.0
23	20.0	20.2	18.9	19.1	13.4	11.0	11.0	12.4
24	14.6	19.8	20.8	18.7	16.2	0.0	0.0	0.0
25	21.4	21.4	21.3	18.6	16.6	0.0	0.0	0.0
26	24.5	23.6	19.9	0.0	0.0	0.0	0.0	0.0
27	20.7	20.8	20.7	18.7	9.1	15.7	16.0	15.2
28	21.4	21.5	19.5	19.8	10.3	0.0	0.0	0.0
29	22.5	21.4	19.5	15.8	6.3	13.4	13.7	13.5
30	23.7	22.5	22.1	0.0	0.0	0.0	0.0	0.0
31	18.5	19.9	19.0	16.8	6.0	12.9	0.0	0.0
32	24.1	23.3	22.5	0.0	0.0	0.0	0.0	0.0
33	19.8	19.8	20.4	19.5	12.7	0.0	0.0	0.0
34	15.3F	14.9	18.5	0.0	0.0	0.0	0.0	0.0
35	19.0	19.0	19.8	18.1	6.9	10.0	0.0	0.0
36	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	23.4	21.3	0.0	0.0	0.0	0.0	0.0	0.0
38	21.3	19.9	0.0	0.0	0.0	0.0	0.0	0.0
39	22.6	20.8	0.0	0.0	0.0	0.0	0.0	0.0
40	22.5	14.7F	0.0	0.0	0.0	0.0	0.0	0.0
41	24.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0
42	22.3	21.2	0.0	0.0	0.0	0.0	0.0	0.0
43	24.4	22.5	0.0	0.0	0.0	0.0	0.0	0.0
44	20.1	19.1	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEW	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	21.70	20.80	19.80	17.90	10.30	12.10	13.70	13.50
MEAN	21.51	20.80	19.70	16.52	11.15	12.04	14.36	13.60
NOBS	34.00	33.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.45	2.25	2.34	3.20	4.00	2.25	3.54	2.26
CV	11.40	10.84	11.87	19.72	36.42	18.67	24.63	16.58

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	21.70	20.80	19.65	17.85	10.30	12.10	13.70	13.50
MEAN	21.70	21.23	20.03	17.03	11.15	12.04	14.36	13.60
NOBS	33.00	31.00	24.00	16.00	17.00	9.00	5.00	5.00
SD	2.23	1.50	1.67	2.56	4.00	2.25	3.54	2.26
CV	10.27	7.09	8.30	15.01	36.42	18.67	24.63	16.58

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	21.40	20.75	19.50	17.30	10.30	12.10	13.70	13.50
MEAN	21.40	21.13	20.19	17.79	11.15	12.04	14.36	13.60
NOBS	31.00	30.00	23.00	14.00	17.00	9.00	5.00	5.00
SD	1.93	1.42	1.53	1.02	4.00	2.25	3.54	2.26
CV	9.03	6.71	7.58	9.13	36.42	18.67	24.63	16.58

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	18.2	18.7	18.9	11.2	12.95	11.8	0.0	0.0
12	20.8	21.0	13.5F	0.0	0.0	0.0	0.0	0.0
13	27.15	24.7F	21.6	12.4	0.0	0.0	0.0	0.0
14	24.0	21.4	14.7	0.0	0.0	0.0	0.0	0.0
15	22.9	20.5	20.5	12.5	6.2	12.4	0.0	0.0
16	16.85	17.4F	17.2	0.0	0.0	0.0	0.0	0.0
17	21.5	20.0	20.6	13.1	8.9	0.0	29.7A	10.7
18	25.9	17.9	17.9	7.8	4.0	0.0	0.0	0.0
19	22.0	21.1	14.2	12.0	5.6	12.8	8.6	9.2
20	22.1	20.5	14.2	0.0	0.0	0.0	0.0	0.0
21	15.3F	14.8	14.4	5.5	3.2	0.0	0.0	0.0
22	14.5	19.5	16.2	11.3	8.8F	0.0	0.0	0.0
23	20.4	24.35	14.9	8.2	13.6F	13.5	11.2	11.2
24	23.2	21.7	14.8	7.2	5.5F	0.0	0.0	0.0
25	24.4	22.1	0.0	0.0	0.0	0.0	0.0	0.0
26	14.0	20.2	18.5	0.0	0.0	0.0	0.0	0.0
27	20.0	20.4	14.4	10.4	4.8	3.6F	12.8	13.4
28	24.5	23.0	19.7	10.5	5.2	0.0	0.0	0.0
29	20.7	14.8	14.0	12.6	5.6	10.4	9.2	10.3
30	21.7	20.6	16.2	0.0	0.0	0.0	0.0	0.0
31	19.7	14.4	14.4	13.4	6.4	11.5	0.0	0.0
32	20.7	14.4	16.3	0.0	0.0	0.0	0.0	0.0
33	25.6	22.2	14.4	6.5	4.2	0.0	0.0	0.0
34	22.2	20.6	0.0	0.0	0.0	0.0	0.0	0.0
35	22.1	20.7	19.1	8.7	4.6	12.9	0.0	0.0
36	24.5	21.0	0.0	0.0	0.0	0.0	0.0	0.0
37	24.1	22.5	0.0	0.0	0.0	0.0	0.0	0.0
38	21.4	21.1	0.0	0.0	0.0	0.0	0.0	0.0
39	21.3	14.5	0.0	0.0	0.0	0.0	0.0	0.0
40	21.1	20.5	0.0	0.0	0.0	0.0	0.0	0.0
41	23.8	21.6	0.0	0.0	0.0	0.0	0.0	0.0
42	22.8	23.5	0.0	0.0	0.0	0.0	0.0	0.0
43	14.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0
44	24.0	24.8F	0.0	0.0	0.0	0.0	0.0	0.0
45	20.6	14.7	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	SKEW	NO	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	22.00	20.70	19.20	10.85	8.80	12.10	11.20	10.70
MEAN	21.93	21.05	18.76	10.42	8.37	11.11	14.30	10.96
NOBS	35.00	35.00	24.00	16.00	15.00	5.00	5.00	5.00
SD	2.70	1.67	1.61	2.31	2.53	3.18	8.77	1.55
CV	12.33	7.94	4.67	22.20	30.24	28.65	61.32	14.14

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	21.95	20.60	19.20	10.85	8.50	11.80	11.20	10.70
MEAN	22.13	20.93	19.00	10.42	7.99	12.19	14.30	10.96
NOBS	34.00	32.00	22.00	16.00	14.00	7.00	5.00	5.00
SD	2.48	1.32	1.44	2.31	2.16	1.04	8.77	1.55
CV	11.22	6.30	7.57	22.20	27.00	8.52	61.32	14.14

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	21.80	20.60	19.20	10.85	8.20	11.80	11.20	10.70
MEAN	22.14	20.82	19.00	10.42	7.62	12.19	14.30	10.96
NOBS	32.00	31.00	22.00	16.00	13.00	7.00	5.00	5.00
SD	2.20	1.18	1.44	2.31	1.70	1.04	8.77	1.55
CV	9.94	5.64	7.57	22.20	22.30	8.52	61.32	14.14

A AND 40LOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	27.0	23.7	11.9	19.5	24.8	26.8	0.0	0.0
12	27.0	27.1	25.6	0.0	0.0	0.0	0.0	0.0
13	26.3	24.0	18.4	24.0	25.3	0.0	0.0	0.0
14	23.2	23.3	20.7	0.0	0.0	0.0	0.0	0.0
15	24.5	21.3	17.3	20.4	23.1	18.8	0.0	0.0
16	20.3	22.2	23.0	0.0	0.0	0.0	0.0	0.0
17	22.0	22.0	20.4	21.3	22.5	12.9	17.7	18.4
18	23.5	23.7	15.6	21.1	24.0	0.0	0.0	0.0
19	15.5	21.3	15.4	22.2	24.0	18.8	22.8	23.3
20	24.4	22.7	18.3	0.0	0.0	0.0	0.0	0.0
21	27.5	24.8	21.6	17.4	19.3	0.0	0.0	0.0
22	33.9F	27.4	28.4	25.5	25.1	0.0	0.0	0.0
23	25.3	23.5	14.8	4.8F	20.8	27.5	21.1	23.6
24	25.5	24.5	22.8	20.4	21.6	0.0	0.0	0.0
25	21.6	22.6	17.7	22.2	22.7	0.0	0.0	0.0
26	24.7	22.1	13.1	0.0	0.0	0.0	0.0	0.0
27	18.7	20.7	4.35	10.2	20.4	12.3	14.5	10.1
28	22.2	23.2	15.5	21.2	21.6	0.0	0.0	0.0
29	22.5	11.8F	10.2	21.4	18.5	2.1A	12.3	15.4
30	23.6	23.5	20.2	0.0	0.0	0.0	0.0	0.0
31	18.8	23.6	23.4	7.1F	22.0	20.3	0.0	0.0
32	26.7	20.7	25.5	0.0	0.0	0.0	0.0	0.0
33	22.4	24.3	26.3	24.1	22.0	0.0	0.0	0.0
34	28.4	24.4	25.1	0.0	0.0	0.0	0.0	0.0
35	21.4	20.3	7.7F	13.45	18.8	22.2	0.0	0.0
36	23.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
37	24.8	25.7	0.0	0.0	0.0	0.0	0.0	0.0
38	22.5	21.8	0.0	0.0	0.0	0.0	0.0	0.0
39	27.2	34.0F	0.0	0.0	0.0	0.0	0.0	0.0
40	25.8	27.7	0.0	0.0	0.0	0.0	0.0	0.0
41	20.8	22.7	0.0	0.0	0.0	0.0	0.0	0.0
42	24.1	23.8	0.0	0.0	0.0	0.0	0.0	0.0
43	22.6	21.1	0.0	0.0	0.0	0.0	0.0	0.0
44	23.2	21.1	0.0	0.0	0.0	0.0	0.0	0.0
45	23.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0
FINAL	NO	NO	NO	SKEW	NO	NO	SKEW	NO

FIRST ITERATION								
MODE	23.50	23.50	18.40	21.10	22.00	18.80	19.70	18.90
MEAN	23.77	23.77	19.03	19.39	22.15	17.74	18.08	18.36
NUMS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	3.17	3.80	5.40	4.73	2.12	7.93	4.48	5.52
CV	13.33	15.95	28.40	24.41	9.58	44.71	24.77	30.62

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	23.35	23.50	18.35	20.40	22.00	18.80	19.70	18.90
MEAN	23.48	23.69	19.50	20.72	22.15	17.74	18.08	18.36
NUMS	34.00	33.00	24.00	15.00	17.00	9.00	5.00	5.00
SD	2.67	2.12	4.97	3.10	2.12	7.93	4.48	5.62
CV	11.39	8.97	25.47	14.95	9.58	44.71	24.77	30.62

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	23.35	23.40	18.30	20.40	22.00	18.80	19.70	18.90
MEAN	23.44	23.55	19.94	21.24	22.15	17.74	18.08	18.36
NUMS	34.00	32.00	23.00	14.00	17.00	9.00	5.00	5.00
SD	2.67	1.98	4.57	2.43	2.12	7.43	4.48	5.52
CV	11.39	8.41	22.90	11.45	9.58	44.71	24.77	30.62

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	27.0	19.4	13.4	10.3	13.1	9.5	0.0	0.0
12	22.2	20.3	30.3F	0.0	0.0	0.0	0.0	0.0
13	17.75	0.3F	11.25	9.4	11.9	0.0	0.0	0.0
14	25.1	22.5	22.0	0.0	0.0	0.0	0.0	0.0
15	21.9	21.7	19.8	11.8	13.5	7.8	0.0	0.0
16	22.0	20.5	13.7	0.0	0.0	0.0	0.0	0.0
17	21.1	20.7	19.8	8.4	11.2	10.7	11.0	2.9
18	24.0	23.0	19.2	14.3	18.0	0.0	0.0	0.0
19	20.7	20.2	19.6	14.4	8.8	16.8	14.1	14.5
20	22.3	20.0	20.5	0.0	0.0	0.0	0.0	0.0
21	23.5	21.6	19.2	14.8	18.6	0.0	0.0	0.0
22	24.7	21.4	22.4	23.5	23.0	0.0	0.0	0.0
23	22.3	21.9	21.6	18.4	20.7	21.3	17.5	14.5
24	24.3	22.1	22.4	23.0	23.3	0.0	0.0	0.0
25	23.0	24.8	24.0	21.8	22.1	0.0	0.0	0.0
26	21.1	21.3	11.8	0.0	0.0	0.0	0.0	0.0
27	26.5	0.0	24.2	19.4	19.5	16.6	52.4 A	53.2 A
28	26.8	25.4	24.6	14.7	21.6	0.0	0.0	0.0
29	30.05	26.8	25.4	24.5	19.8	14.3	16.7	2.3
30	26.7	22.5	19.1	0.0	0.0	0.0	0.0	0.0
31	20.5	21.3	20.0	17.1	13.0	16.7	0.0	0.0
32	21.8	21.1	18.0	0.0	0.0	0.0	0.0	0.0
33	20.8	20.7	21.2	18.4	19.0	0.0	0.0	0.0
34	27.1	20.1	20.1	0.0	0.0	0.0	0.0	0.0
35	23.8	24.7	23.1	22.1	20.1	19.8	0.0	0.0
36	25.8	24.3	0.0	0.0	0.0	0.0	0.0	0.0
37	23.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0
38	24.4	25.0	0.0	0.0	0.0	0.0	0.0	0.0
39	23.8	24.1	0.0	0.0	0.0	0.0	0.0	0.0
40	22.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0
41	12.9F	23.5	0.0	0.0	0.0	0.0	0.0	0.0
42	14.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0
43	24.95	27.0	0.0	0.0	0.0	0.0	0.0	0.0
44	28.7	25.7	0.0	0.0	0.0	0.0	0.0	0.0
45	25.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NU	NU	NU	SKEW	SKEW	NU	SKEW	SKEW

FIRST ITERATION

MODE	23.60	22.50	20.50	18.40	19.00	16.60	16.70	14.50
MEAN	23.40	22.04	20.72	17.03	17.36	14.83	22.34	17.48
NOBS	15.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	3.43	3.08	5.25	5.34	4.58	4.64	17.00	20.84
CV	14.60	16.25	25.31	31.66	26.34	31.28	76.07	119.20

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	23.55	22.50	20.25	18.40	19.00	16.60	16.70	14.50
MEAN	23.79	23.14	20.07	17.03	17.36	14.83	22.34	17.48
NOBS	34.00	33.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	2.94	2.32	4.21	5.34	4.58	4.64	17.00	20.84
CV	12.34	10.01	20.97	31.66	26.34	31.28	76.07	119.20

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	23.00	22.50	20.00	18.40	19.00	16.60	16.70	14.50
MEAN	23.59	23.14	20.40	17.03	17.36	14.83	22.34	17.48
NOBS	31.00	33.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	2.38	2.32	3.83	5.34	4.58	4.64	17.00	20.84
CV	10.10	10.01	18.80	31.66	26.34	31.28	76.07	119.20

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 52, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	27.5	26.0	24.7	14.8	20.5	23.4	0.0	0.0
12	20.6	27.4	21.6	0.0	0.0	0.0	0.0	0.0
13	25.8	24.5	22.4	20.7	20.0	0.0	0.0	0.0
14	25.1	22.9	22.3	0.0	0.0	0.0	0.0	0.0
15	23.4	24.5	15.8	10.3	7.4F	23.1	0.0	0.0
16	23.4	22.2	15.0	0.0	0.0	0.0	0.0	0.0
17	21.5	22.6	22.0	15.6	10.85	18.9	17.5	18.1
18	21.7	24.8	22.6	12.1	19.4	0.0	0.0	0.0
19	21.4	20.7	20.7	23.5	22.5	0.3 A	27.4	25.5
20	23.7	21.9	13.7	0.0	0.0	0.0	0.0	0.0
21	27.1	24.2	23.9	17.0	18.1	0.0	0.0	0.0
22	22.2	22.7	12.6	11.2	18.5	0.0	0.0	0.0
23	24.2	23.0	22.0	12.4	17.3	5.7	18.0	19.1
24	30.8	24.7	25.7	21.3	20.0	0.0	0.0	0.0
25	27.8	20.0F	20.5	24.2	21.7	0.0	0.0	0.0
26	27.3	22.7	20.7	0.0	0.0	0.0	0.0	0.0
27	22.3	22.2	13.7	11.6	14.4	14.3	14.3	18.3
28	25.6	24.2	18.2	11.3	18.2	0.0	0.0	0.0
29	27.7	24.1	22.1	15.5	21.5	20.2	20.4	19.4
30	28.8	23.8	25.3	0.0	0.0	0.0	0.0	0.0
31	24.3	23.4	21.9	11.0	21.7	25.4	0.0	0.0
32	24.5	20.0	25.1	0.0	0.0	0.0	0.0	0.0
33	26.4	24.4	23.2	23.4	22.8	0.0	0.0	0.0
34	23.5	23.0	15.1	0.0	0.0	0.0	0.0	0.0
35	22.2	23.2	22.0	18.7	16.2	14.0	0.0	0.0
36	26.5	20.7	0.0	0.0	0.0	0.0	0.0	0.0
37	26.4	25.1	0.0	0.0	0.0	0.0	0.0	0.0
38	30.9	26.6	0.0	0.0	0.0	0.0	0.0	0.0
39	28.4	24.7	0.0	0.0	0.0	0.0	0.0	0.0
40	25.3	23.4	0.0	0.0	0.0	0.0	0.0	0.0
41	25.1	22.4	0.0	0.0	0.0	0.0	0.0	0.0
42	23.4	23.8	0.0	0.0	0.0	0.0	0.0	0.0
43	23.8	22.8	0.0	0.0	0.0	0.0	0.0	0.0
44	23.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0
45	30.3	27.65	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKEW	SKEW	NO	SKEW	NO	NO

FIRST ITERATION

MODE	25.80	24.20	22.00	15.50	19.40	19.30	19.30	19.10
MEAN	26.05	24.48	21.34	16.21	18.54	17.92	17.62	17.58
NOBS	35.00	33.00	25.00	17.00	17.00	4.00	5.00	5.00
SU	2.56	1.74	4.30	5.01	4.06	7.13	2.04	1.78
CV	9.82	7.31	20.11	30.89	21.83	34.77	10.38	9.10

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.80	24.20	22.00	15.50	19.40	19.30	19.30	19.10
MEAN	26.05	24.30	21.34	16.21	19.24	17.92	19.62	19.58
NOBS	35.00	34.00	25.00	17.00	16.00	4.00	5.00	5.00
SU	2.56	1.46	4.30	5.01	2.45	7.13	2.04	1.78
CV	9.82	6.01	20.11	30.89	15.24	34.77	10.38	9.10

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.80	24.20	22.00	15.50	19.40	19.30	19.30	19.10
MEAN	26.05	24.20	21.34	16.21	19.85	17.92	19.62	19.58
NOBS	35.00	33.00	25.00	17.00	15.00	4.00	5.00	5.00
SU	2.56	1.36	4.30	5.01	1.46	7.13	2.04	1.78
CV	9.82	5.62	20.11	30.89	9.86	34.77	10.38	9.10

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 53, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	34.8F	24.4	27.8	25.7	17.2	22.7	0.0	0.0
12	25.4	25.4	24.9	0.0	0.0	0.0	0.0	0.0
13	24.2	24.0	24.1	24.2	23.6	0.0	0.0	0.0
14	33.5F	30.7	30.8F	0.0	0.0	0.0	0.0	0.0
15	24.0	24.1	29.0F	27.4	21.3	25.5	0.0	0.0
16	25.7	23.4	22.1	0.0	0.0	0.0	0.0	0.0
17	26.7	25.5	24.3	0.0	12.2	18.7	23.3	12.8
18	22.6F	22.0	23.5	17.3	12.0	0.0	0.0	0.0
19	15.4F	21.4	21.4	13.5	11.2	15.2	7.0A	4.1
20	24.1	23.7	23.2	0.0	0.0	0.0	0.0	0.0
21	27.7	22.1	24.9	22.3	14.1	0.0	0.0	0.0
22	27.5	29.5	25.5	0.0	14.1	0.0	0.0	0.0
23	24.5	24.0	24.3	26.4	22.7	24.3	0.0	14.5
24	23.2	23.4	24.0	23.3	17.4	0.0	0.0	0.0
25	24.8	25.2	25.0	19.0	8.4	0.0	0.0	0.0
26	25.7	23.4	20.0	0.0	0.0	0.0	0.0	0.0
27	26.1	24.5	22.2	10.8F	9.2	24.5	20.7	13.6
28	25.5	24.7	22.1	21.0	11.3	0.0	0.0	0.0
29	28.7	28.3	27.1	24.8	18.8	18.5	16.9	15.0
30	26.4	23.1	17.5F	0.0	0.0	0.0	0.0	0.0
31	26.5	25.4	23.7	12.4S	9.2	18.2	0.0	0.0
32	24.2	27.4	25.2	0.0	0.0	0.0	0.0	0.0
33	24.4	14.2F	24.7	20.9	14.4	0.0	0.0	0.0
34	24.7	24.0	20.0	0.0	0.0	0.0	0.0	0.0
35	26.6	27.3	26.2	23.7	12.8	24.1	0.0	0.0
36	27.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0
37	24.3	30.2	0.0	0.0	0.0	0.0	0.0	0.0
38	26.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0
39	27.5	26.5	0.0	0.0	0.0	0.0	0.0	0.0
40	25.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
41	24.7	24.0	0.0	0.0	0.0	0.0	0.0	0.0
42	23.0	21.2	0.0	0.0	0.0	0.0	0.0	0.0
43	28.1	25.8	0.0	0.0	0.0	0.0	0.0	0.0
44	26.6	26.4	0.0	0.0	0.0	0.0	0.0	0.0
45	27.1	26.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SKEW	SKEW	NO	NO

FIRST ITERATION

MODE	25.71	25.71	24.71	22.30	14.10	22.70	18.80	14.50
MEAN	26.90	25.73	24.70	21.25	14.76	21.20	18.97	14.00
NOBS	35.00	35.00	25.00	15.00	17.00	9.00	4.00	5.00
SD	3.12	2.75	2.78	4.90	4.68	3.74	7.15	3.46
CV	11.58	10.70	11.26	23.06	31.68	17.65	42.12	24.71

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	26.65	25.55	24.30	21.65	14.10	22.70	18.80	14.50
MEAN	26.77	25.42	24.75	22.00	14.75	21.20	18.97	14.00
NOBS	32.00	34.00	23.00	14.00	17.00	9.00	4.00	5.00
SD	1.98	2.55	2.09	4.11	4.68	3.74	7.15	3.46
CV	7.40	9.82	8.45	18.66	31.68	17.65	42.12	24.71

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	26.60	25.55	24.30	21.00	14.10	22.70	18.80	14.50
MEAN	26.90	25.42	24.55	22.70	14.76	21.20	18.97	14.00
NOBS	31.00	34.00	22.00	13.00	17.00	9.00	4.00	5.00
SD	1.86	2.55	1.92	3.29	4.68	3.74	7.15	3.46
CV	6.91	9.82	7.82	14.50	31.68	17.65	42.12	24.71

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 54, CROP - FALLON

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	25.5	24.5	21.2	20.1	15.9	18.9	0.0	0.0
12	33.3F	30.4S	27.5	0.0	0.0	0.0	0.0	0.0
13	27.0	24.0	21.5	17.3	14.7	0.0	0.0	0.0
14	24.7	22.2	21.8	0.0	0.0	0.0	0.0	0.0
15	26.5	24.5	21.4	14.3	17.7	15.9	0.0	0.0
16	25.4	23.6	22.6	0.0	0.0	0.0	0.0	0.0
17	25.1	21.4	22.5	14.7	19.5	19.8	17.9	17.6
18	27.4	24.4	21.5	0.0	0.0	0.0	0.0	0.0
19	31.5	27.4	27.0	25.3F	23.2	24.0	21.8	19.3
20	25.3	24.1	14.2	0.0	0.0	0.0	0.0	0.0
21	23.0	22.7	2.3F	14.5	36.3F	0.0	0.0	0.0
22	27.3	25.3	23.4	21.0	20.9	0.0	0.0	0.0
23	21.7	23.3	22.0	14.0	21.0	24.1	20.1	21.2
24	23.7	22.7	23.1	14.4	15.5	0.0	0.0	0.0
25	28.1	27.3	24.5	21.6	20.6	0.0	0.0	0.0
26	27.0	27.0	25.2	0.0	0.0	0.0	0.0	0.0
27	23.5	22.4	21.1	14.7	20.7	0.0	27.9	23.1
28	22.7	23.1	31.5S	20.4	15.6	0.0	0.0	0.0
29	24.6	25.1	27.0	25.4S	24.0	24.3	0.0	21.8
30	27.6	23.8	22.1	0.0	0.0	0.0	0.0	0.0
31	24.8	23.4	22.3	14.7	14.2	26.7	0.0	0.0
32	32.0S	22.2	25.5	0.0	0.0	0.0	0.0	0.0
33	22.1	25.7	20.5	14.2	16.6	0.0	0.0	0.0
34	27.1	35.1F	26.2	0.0	0.0	0.0	0.0	0.0
35	27.3	24.4	21.0	20.3	14.9	23.0	0.0	0.0
36	24.4	24.7	0.0	0.0	0.0	0.0	0.0	0.0
37	28.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0
38	27.1	24.6	0.0	0.0	0.0	0.0	0.0	0.0
39	15.4F	37.4F	0.0	0.0	0.0	0.0	0.0	0.0
40	24.0	20.8	0.0	0.0	0.0	0.0	0.0	0.0
41	25.4	14.7S	0.0	0.0	0.0	0.0	0.0	0.0
42	23.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	22.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0
44	24.4	24.3	0.0	0.0	0.0	0.0	0.0	0.0
45	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H1400AL	NO	SKE	NO	NO	NO	SKE	SKE	NO

FIRST ITERATION

MODE	25.50	24.30	22.30	19.70	19.40	23.50	20.95	21.20
MEAN	25.77	24.94	22.61	19.84	20.71	22.67	21.92	20.60
NOBS	33.00	33.00	25.00	16.00	16.00	8.00	4.00	5.00
SD	3.26	3.68	5.08	3.17	3.26	3.55	4.24	2.16
CV	12.41	14.74	22.48	15.94	25.34	16.04	19.57	10.51

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.40	24.10	22.20	19.70	19.70	23.50	20.95	21.20
MEAN	25.85	24.25	23.46	19.41	19.53	22.09	21.92	20.60
NOBS	33.00	31.00	24.00	15.00	15.00	8.00	4.00	5.00
SD	2.45	2.22	2.87	2.71	2.45	3.55	4.24	2.16
CV	4.47	9.17	12.26	13.95	12.56	16.04	19.57	10.51

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.35	24.00	22.10	19.60	19.70	23.50	20.95	21.20
MEAN	25.65	24.14	23.11	19.48	19.53	22.04	21.92	20.60
NOBS	32.00	29.00	23.00	14.00	15.00	8.00	4.00	5.00
SD	2.22	1.74	2.36	2.22	2.45	3.55	4.24	2.16
CV	8.65	7.40	10.22	11.71	12.56	16.04	19.57	10.51

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 202, FIELD NUMBER 55, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	5-15	15-30	30-45
11	24.5	0.0	23.5	24.0	16.9	14.0	0.0	0.0
12	21.4	21.5	20.4	0.0	0.0	0.0	0.0	0.0
13	23.5	23.5	22.1	22.0	0.0	0.0	0.0	0.0
14	21.6	18.4	11.2	0.0	0.0	0.0	0.0	0.0
15	23.7	24.0	22.0	9.8	12.2	13.5	0.0	0.0
16	21.45	25.7	23.4	0.0	0.0	0.0	0.0	0.0
17	22.4	22.8	20.8	16.7	12.6	11.3	12.1	9.8
18	17.7	19.6	20.2	14.9	15.9	0.0	0.0	0.0
19	14.4	21.4	21.4	9.2	10.5	14.4	13.0	12.4
20	21.7	20.1	18.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	24.0	21.5	21.0	21.9	14.6	0.0	0.0	0.0
23	21.3	20.4	21.0	18.6	12.1	12.2	14.4	13.1
24	20.9	20.1	14.7	15.9	9.0	0.0	0.0	0.0
25	20.2	23.2	22.8	14.8	15.4	0.0	0.0	0.0
26	20.2	19.4	19.5	0.0	0.0	0.0	0.0	0.0
27	20.3	23.4	23.3	23.0	21.4	14.1	0.0	0.0
28	22.7	21.7	21.6	22.2	21.6	0.0	0.0	0.0
29	24.5	23.4	22.6	0.0	0.0	14.9	13.6	14.3
30	24.3	23.7	22.5	0.0	0.0	0.0	0.0	0.0
31	24.7	0.0	23.2	22.7	20.4	15.2	0.0	0.0
32	14.5	14.8	19.4	0.0	0.0	0.0	0.0	0.0
33	23.4	0.0	0.0	0.0	21.2	0.0	0.0	0.0
34	23.3	21.9	21.5	0.0	0.0	0.0	0.0	0.0
35	23.3	23.5	21.5	21.9	20.5	21.3	0.0	0.0
36	14.4	18.1	0.0	0.0	0.0	0.0	0.0	0.0
37	21.3	20.5	0.0	0.0	0.0	0.0	0.0	0.0
38	23.5	23.0	0.0	0.0	0.0	0.0	0.0	0.0
39	25.4	23.5	0.0	20.3	21.1	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	21.4	20.7	0.0	0.0	0.0	0.0	0.0	0.0
42	21.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	17.45	14.3	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKW	NO	SKW	NO	SKW

FIRST ITERATION								
MODE	22.70	21.55	21.50	20.30	16.90	14.40	13.30	13.00
MEAN	21.91	21.57	21.00	19.19	16.31	15.10	13.27	12.52
SD	31.00	24.00	23.00	15.00	15.00	9.00	4.00	4.00
CV	17.34	9.10	12.31	23.54	30.42	21.02	7.31	15.32

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	22.55	21.50	21.45	19.90	16.90	14.40	13.30	13.00
MEAN	22.44	21.42	21.44	20.68	16.31	15.10	13.27	12.52
SD	30.00	27.00	22.00	13.00	15.00	9.00	4.00	4.00
CV	10.40	4.60	6.95	11.45	30.42	21.02	7.31	15.32

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	22.10	21.50	21.40	19.90	16.90	14.40	13.30	13.00
MEAN	22.45	21.42	21.60	20.68	16.31	15.10	13.27	12.52
SD	28.00	27.00	21.00	13.00	15.00	9.00	4.00	4.00
CV	9.41	8.60	6.06	11.85	30.42	21.02	7.31	15.32

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1976 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 1, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	32.2	32.7	32.4	30.4	26.7	30.8	0.0	0.0
12	29.0	29.2	31.2	0.0	0.0	0.0	0.0	0.0
13	33.1	32.0	74.9F	33.4	27.1	0.0	0.0	0.0
14	34.3	32.8	32.1	0.0	0.0	0.0	0.0	0.0
15	33.9	33.0	15.45	33.0	21.7F	24.7	0.0	0.0
16	31.3	34.1	34.1	0.0	0.0	0.0	0.0	0.0
17	32.7	34.0	33.8	30.25	34.6F	26.2	26.8	15.3A
18	30.7	32.2	33.1	32.6	27.8	0.0	0.0	0.0
19	31.3	32.5	33.1	32.4	30.7	25.9	25.6	27.5
20	33.7	32.4	35.2	1.0	0.0	0.0	0.0	0.0
21	31.4	32.3	31.9	31.4	29.0	0.0	0.0	0.0
22	37.5	39.25	34.1	33.0	27.6	0.0	0.0	0.0
23	33.4	36.7	32.3	32.6	30.3	30.6	28.0	29.1
24	38.3	37.4	38.8	31.8	30.4	0.0	0.0	0.0
25	34.5	0.0	34.7	34.0	29.1	0.0	0.0	0.0
26	33.8	31.1	34.1	0.0	0.0	0.0	0.0	0.0
27	37.4	30.8	30.8	30.8	30.1	24.5	26.6	25.7
28	35.5	36.8	33.1	0.0	27.3	0.0	0.0	0.0
29	28.6	27.9	36.3	27.5F	26.8	26.2	25.0	26.2
30	34.4	39.8F	34.0	0.0	0.0	0.0	0.0	0.0
31	30.9	35.7	35.0	0.0	25.7	27.8	0.0	0.0
32	34.6	32.7	34.6	0.0	0.0	0.0	0.0	0.0
33	24.8F	32.1	32.4	34.7	31.8	0.0	0.0	0.0
34	33.2	29.7	30.5	0.0	1.0	0.0	0.0	0.0
35	38.7	30.6	31.6	32.6	27.7	25.4	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MINIMUM	NO	AREA	NO	AREA	NO	NO	NO	AREA

FIRST ITERATION								
MODE	33.40	32.75	33.10	32.60	27.80	27.80	26.80	26.20
MEAN	33.24	33.47	34.86	32.49	28.52	27.73	26.64	24.76
STDEV	27.08	24.00	23.00	15.00	17.00	4.00	5.00	5.00
SD	5.35	3.15	10.35	2.04	2.66	2.15	1.07	5.45
CV	10.08	9.41	29.68	6.27	10.02	7.74	4.02	22.01

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	33.30	32.70	33.10	32.60	27.70	27.80	26.80	26.20
MEAN	33.60	33.20	33.00	32.84	28.57	27.73	26.64	24.76
STDEV	24.00	23.00	24.00	14.00	15.00	9.00	5.00	5.00
SD	2.91	2.91	4.47	1.55	1.84	2.15	1.07	5.45
CV	8.67	8.76	13.56	4.73	6.43	7.74	4.02	22.01

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	33.30	32.65	33.10	32.60	27.70	27.80	26.80	26.20
MEAN	33.60	32.92	33.75	32.58	28.57	27.73	26.64	24.76
STDEV	24.00	22.00	23.00	13.00	15.00	9.00	5.00	5.00
SD	2.91	2.66	2.66	1.27	1.84	2.15	1.07	5.45
CV	8.67	8.08	7.87	3.84	6.43	7.74	4.02	22.01

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 2, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	35.9	32.3	30.9	33.1	34.3	29.2	27.1	23.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	31.4	29.2	26.7	28.8	29.0	28.9	26.4	25.2
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	33.65	30.75	29.80	30.95	31.65	29.05	26.75	24.25
MEAN	33.65	30.75	29.80	30.95	31.65	29.05	26.75	24.25
NOBS	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
SU	3.18	2.19	1.56	3.04	3.75	0.21	0.49	1.34
CV	9.46	7.13	5.22	9.82	11.84	0.73	1.85	5.54

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	33.65	30.75	29.80	30.95	31.65	29.05	26.75	24.25
MEAN	33.65	30.75	29.80	30.95	31.65	29.05	26.75	24.25
NOBS	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
SU	3.18	2.19	1.56	3.04	3.75	0.21	0.49	1.34
CV	9.46	7.13	5.22	9.82	11.84	0.73	1.85	5.54

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	33.65	30.75	29.80	30.95	31.65	29.05	26.75	24.25
MEAN	33.65	30.75	29.80	30.95	31.65	29.05	26.75	24.25
NOBS	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
SU	3.18	2.19	1.56	3.04	3.75	0.21	0.49	1.34
CV	9.46	7.13	5.22	9.82	11.84	0.73	1.85	5.54

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	33.3	33.1	32.5	34.0	27.6	28.8	26.3	25.3
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	31.8	32.8	36.6	37.1	33.2	28.4	26.8	22.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	31.7	31.5	30.8	32.8	32.7	26.1	26.3	24.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	34.5	30.8	30.2	30.0	34.0	30.9	26.1	23.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	SKEW	NO	SKEW	NO	SKEW	NO

FIRST ITERATION

MODE	32.55	32.15	31.65	33.40	32.95	28.60	26.30	24.00
MEAN	32.82	32.05	32.52	33.47	31.88	28.55	26.38	23.95
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	1.34	1.08	2.89	2.94	2.90	1.97	0.30	1.16
CV	4.07	3.39	8.87	8.79	9.10	6.89	1.13	4.83

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	32.55	32.15	31.65	33.40	32.95	28.60	26.30	24.00
MEAN	32.82	32.05	32.52	33.47	31.88	28.55	26.38	23.95
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	1.34	1.08	2.89	2.94	2.90	1.97	0.30	1.16
CV	4.07	3.39	8.87	8.79	9.10	6.89	1.13	4.83

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	32.55	32.15	31.65	33.40	32.95	28.60	26.30	24.00
MEAN	32.82	32.05	32.52	33.47	31.88	28.55	26.38	23.95
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	1.34	1.08	2.89	2.94	2.90	1.97	0.30	1.16
CV	4.07	3.39	8.87	8.79	9.10	6.89	1.13	4.83

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 4, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	15-30	30-45
11	39.2	40.2	39.8	39.7	41.1F	32.7	0.0
12	37.0	36.0	31.9	0.0	0.0	0.0	0.0
13	37.4	38.6	45.7F	37.6	34.1	0.0	0.0
14	33.1	30.1	30.8	0.0	0.0	0.0	0.0
15	33.3	32.1	31.5	30.0	28.4	22.9	0.0
16	39.7	40.4	36.7	0.0	0.0	0.0	0.0
17	32.0	32.0	31.6	27.9	27.1	27.2	13.4
18	39.5	39.5	33.2	40.3	32.9	0.0	0.0
19	38.5	40.1	41.4	37.5	31.8	35.3	31.2
20	34.4	33.9	33.1	0.0	0.0	0.0	0.0
21	34.5	37.6	33.4	0.0	35.1	0.0	0.0
22	33.7	36.0	38.3	35.9	30.9	0.0	0.0
23	29.9	31.2	32.5	32.2	31.8	26.2	16.7
24	32.1	31.0	30.3	30.2	29.6	0.0	0.0
25	34.7	36.9	36.3	37.1	30.9	0.0	0.0
26	35.9	39.9	38.8	0.0	0.0	0.0	0.0
27	37.3	36.7	35.3	34.5	30.4	28.5	16.9
28	0.0	31.6	30.5	29.3	28.8	0.0	0.0
29	13.7	33.6	32.8	32.1	28.4	27.9	26.0
30	32.3	32.0	29.7	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	33.9	38.9	0.0	0.0	0.0	0.0	0.0
37	35.0	34.3	0.0	0.0	0.0	0.0	0.0
38	34.6	34.6	0.0	0.0	0.0	0.0	0.0
39	31.9	32.6	0.0	0.0	0.0	0.0	0.0
40	33.8	34.7	0.0	0.0	0.0	0.0	0.0
41	38.5	38.0	0.0	0.0	0.0	0.0	0.0
42	22.5F	41.2	0.0	0.0	0.0	0.0	0.0
43	28.2S	26.1F	0.0	0.0	0.0	0.0	0.0
44	35.5	37.1	0.0	0.0	0.0	0.0	0.0
45	31.4	31.4	0.0	0.0	0.0	0.0	0.0
MINMODAL	NO	YES	YES	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	34.60	35.35	34.20	34.50	30.90	27.90	16.90	13.30
MEAN	34.34	35.35	35.28	34.10	31.38	28.67	20.84	17.42
NOHS	24.00	30.00	20.00	13.00	14.00	7.00	5.00	5.00
SD	3.67	3.62	4.47	4.26	3.72	4.13	7.45	7.33
CV	10.67	10.23	12.68	12.49	11.86	14.41	35.75	42.10

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	34.55	34.70	33.10	34.50	30.90	27.90	16.90	13.30
MEAN	34.77	35.60	34.73	34.10	30.63	28.67	20.84	17.42
NOHS	28.00	29.00	19.00	13.00	13.00	7.00	5.00	5.00
SD	2.92	3.41	3.84	4.26	2.55	4.13	7.45	7.33
CV	8.41	9.57	11.07	12.49	8.34	14.41	35.75	42.10

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	34.50	34.70	33.10	34.50	30.90	27.90	16.90	13.30
MEAN	35.01	35.60	34.73	34.10	30.63	28.67	20.84	17.42
NOHS	27.00	29.00	19.00	13.00	13.00	7.00	5.00	5.00
SD	2.68	3.41	3.84	4.26	2.55	4.13	7.45	7.33
CV	7.64	9.57	11.07	12.49	8.34	14.41	35.75	42.10

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	40.7	30.5	25.5	25.15	33.7	28.5	0.0	0.0
12	50.0	28.5	24.8	0.0	0.0	0.0	0.0	0.0
13	31.9	25.6	27.4	28.4	28.9	0.0	0.0	0.0
14	44.8	27.0	25.4	0.0	0.0	0.0	0.0	0.0
15	32.9	25.5	25.5	27.6	27.8	25.1	0.0	0.0
16	46.9	31.9	29.1	0.0	0.0	0.0	0.0	0.0
17	54.8 ^S	34.1	27.9	28.7	36.4 ^F	26.0	26.4	25.5
18	40.3	29.1	29.2	30.8	29.1	0.0	0.0	0.0
19	41.5	30.4	27.6	27.4	28.5	26.1	24.7	25.6
20	35.4	0.0	24.7	0.0	0.0	0.0	0.0	0.0
21	32.2	30.8	30.9	32.4	32.0	0.0	0.0	0.0
22	32.5	78.3 ^F	28.4	30.8	32.4	0.0	0.0	0.0
23	37.1	31.3	32.2	0.0	31.2	0.0	0.0	0.0
24	37.9	38.7	31.4	32.1	27.6	0.0	0.0	0.0
25	43.2	32.1	31.0	31.4	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	41.3	31.9	30.7	29.4	28.8	25.4	7.8 ^A	15.6
28	46.2	25.7	38.6 ^F	29.8	27.2	0.0	0.0	0.0
29	47.2	31.3	28.1	27.5	26.9	27.8	21.2	10.5
30	43.5	33.7	30.5	0.0	0.0	0.0	0.0	0.0
31	36.9	31.6	34.6	23.5 ^F	29.3	28.2	0.0	0.0
32	29.3	30.0	28.4	0.0	0.0	0.0	0.0	0.0
33	31.1	31.9	32.2	31.1	30.7	0.0	0.0	0.0
34	45.5	31.5	35.4 ^S	0.0	0.0	0.0	0.0	0.0
35	33.8	29.7	27.3	28.3	33.3	23.9	0.0	0.0
36	40.8	30.2	0.0	0.0	0.0	0.0	0.0	0.0
37	54.4 ^S	41.4 ^S	0.0	0.0	0.0	0.0	0.0	0.0
38	37.3 ^F	38.7	0.0	0.0	0.0	0.0	0.0	0.0
39	33.6	29.4	0.0	0.0	0.0	0.0	0.0	0.0
40	44.9	33.9	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	41.5	32.1	0.0	0.0	0.0	0.0	0.0	0.0
44	40.5	33.6	0.0	0.0	0.0	0.0	0.0	0.0
45	44.8	36.9	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	NO	SKEW	SKEW	YES

FIRST ITERATION

MODE	41.05	31.50	29.15	29.05	29.20	26.05	22.95	19.55
MEAN	41.43	33.13	29.68	29.02	30.24	26.34	20.02	18.80
NOBS	32.00	31.00	24.00	16.00	16.00	6.00	4.00	4.00
SD	7.14	9.16	3.35	2.47	2.72	1.64	8.43	7.90
CV	17.24	27.64	11.30	8.53	8.98	6.21	42.11	42.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	40.80	31.40	29.10	28.70	29.10	26.05	22.95	19.55
MEAN	40.42	31.63	29.29	29.39	29.83	26.38	20.02	18.80
NOBS	31.00	30.00	23.00	15.00	15.00	8.00	4.00	4.00
SD	6.64	3.75	2.82	2.06	2.24	1.64	8.43	7.90
CV	16.22	11.86	9.64	7.01	7.50	6.21	42.11	42.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	40.70	31.30	28.75	28.55	29.10	26.05	22.95	19.55
MEAN	39.97	31.29	29.01	29.69	29.83	26.38	20.02	18.80
NOBS	29.00	29.00	22.00	14.00	15.00	8.00	4.00	4.00
SD	5.73	3.32	2.55	1.75	2.24	1.64	8.43	7.90
CV	14.35	10.62	8.79	5.88	7.50	6.21	42.11	42.00

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	31.1	33.7	28.4	24.7	23.8	27.8	0.0	0.0
12	28.6	32.2	29.8	0.0	0.0	0.0	0.0	0.0
13	28.8	28.2	29.0	27.8	18.1	0.0	0.0	0.0
14	28.1	27.6	27.0	0.0	0.0	0.0	0.0	0.0
15	27.6	25.6	25.9	24.7	20.6	23.4	0.0	0.0
16	26.5	31.8	30.6	0.0	0.0	0.0	0.0	0.0
17	29.0	25.2	25.1	24.7	22.0	23.8	19.5	17.9
18	36.9F	29.5	27.3	26.2	21.7	0.0	0.0	0.0
19	23.3F	27.1	23.9F	23.6	22.1	22.2	19.8	18.8
20	31.1	26.5	28.3	0.0	0.0	0.0	0.0	0.0
21	32.7	32.4	31.4	31.2F	28.7F	0.0	0.0	0.0
22	28.6	27.2	26.8	25.8	17.1	0.0	0.0	0.0
23	27.3	26.1	25.6	23.1	22.2	26.6	20.8	18.6
24	29.4	28.2	28.4	27.8	16.7	0.0	0.0	0.0
25	32.7	0.0	28.7	27.4	25.7	0.0	0.0	0.0
26	38.2F	32.6	33.5F	0.0	0.0	0.0	0.0	0.0
27	28.8	26.8	26.4	24.3	21.9	22.0	21.5	20.3
28	27.5	28.7	30.4	28.3	24.5	0.0	0.0	0.0
29	30.8	0.0	28.0	25.0	19.7	23.7	21.6	20.7
30	31.6	30.5	30.3	0.0	0.0	0.0	0.0	0.0
31	29.3	29.6	28.1	23.2	21.6	22.4	0.0	0.0
32	29.8	35.0F	28.7	0.0	0.0	0.0	0.0	0.0
33	32.3	30.5	31.1	29.9	25.1	0.0	0.0	0.0
34	29.9	29.8	0.0	0.0	0.0	0.0	0.0	0.0
35	29.4	31.0	29.9	27.3	19.3	0.0	0.0	0.0
36	30.3	30.7	0.0	0.0	0.0	0.0	0.0	0.0
37	33.4	31.2	0.0	0.0	0.0	0.0	0.0	0.0
38	25.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0
39	32.3	30.6	0.0	0.0	0.0	0.0	0.0	0.0
40	32.2	28.3	0.0	0.0	0.0	0.0	0.0	0.0
41	33.4	30.5	0.0	0.0	0.0	0.0	0.0	0.0
42	39.35	32.2	0.0	0.0	0.0	0.0	0.0	0.0
43	32.0	30.8	0.0	0.0	0.0	0.0	0.0	0.0
44	24.25	27.2	0.0	0.0	0.0	0.0	0.0	0.0
45	29.9	29.1	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	NO	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	24.90	24.60	28.40	25.60	21.90	23.55	20.80	18.80
MEAN	30.25	29.41	28.44	25.16	21.81	23.99	20.64	19.26
NUMS	35.00	33.00	24.00	17.00	17.00	8.00	5.00	5.00
SD	3.28	2.58	2.23	2.30	3.15	2.12	0.96	1.19
CV	10.86	8.78	7.85	8.79	14.46	8.84	4.65	6.17

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	24.60	24.50	28.35	25.40	21.80	23.55	20.80	18.80
MEAN	30.01	29.40	28.42	25.85	21.38	23.99	20.64	19.26
NUMS	32.00	31.00	22.00	16.00	16.00	8.00	5.00	5.00
SD	2.60	2.27	1.81	1.96	2.69	2.12	0.96	1.19
CV	8.66	7.73	6.36	7.59	12.60	8.84	4.65	6.17

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	24.40	29.50	28.35	25.40	21.80	23.55	20.80	18.80
MEAN	30.00	29.40	28.42	25.85	21.38	23.99	20.64	19.26
NUMS	30.00	31.00	22.00	16.00	16.00	8.00	5.00	5.00
SD	2.14	2.27	1.81	1.96	2.69	2.12	0.96	1.19
CV	7.22	7.73	6.36	7.59	12.60	8.84	4.65	6.17

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 7, CRQP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	30.8	28.9	28.3	27.0	24.7	22.1	0.0	0.0
12	34.1	32.4	35.05	0.0	0.0	0.0	0.0	0.0
13	33.4	31.0	30.1	29.9	24.1	0.0	0.0	0.0
14	34.6	73.5F	0.0	0.0	0.0	0.0	0.0	0.0
15	33.7	30.5	29.0	24.7	24.8	26.0	0.0	0.0
16	24.3	28.9	30.8	0.0	0.0	0.0	0.0	0.0
17	28.4	28.0	26.1	29.8	27.1	25.9	14.1	9.9
18	30.5	36.7S	38.4F	32.2	29.9	0.0	0.0	0.0
19	32.7	56.2F	29.9	29.8	26.6	26.4	10.2	8.4
20	31.3	30.5	32.6	0.0	0.0	0.0	0.0	0.0
21	27.4	28.1	27.3	25.5	22.4	0.0	0.0	0.0
22	18.8F	21.7S	22.9S	27.6	17.5S	0.0	0.0	0.0
23	27.7	26.7	26.9	25.7	23.0	23.5	10.6	0.0
24	31.0	29.3	32.8	34.8	30.4	0.0	0.0	0.0
25	27.5	26.4	27.0	25.5	21.8	0.0	0.0	0.0
26	29.3	28.3	30.4	0.0	0.0	0.0	0.0	0.0
27	30.3	25.1	25.3	22.6	10.5F	0.0	12.3	9.6
28	27.3	28.5	28.9	31.7	25.3F	0.0	0.0	0.0
29	27.4	28.5	29.7	32.3	28.6	22.1	14.8	8.6
30	28.8	28.1	29.0	0.0	0.0	0.0	0.0	0.0
31	33.4	30.5	27.6	33.0	30.3	0.0	0.0	0.0
32	24.6	23.4	24.9	0.0	0.0	0.0	0.0	0.0
33	44.2F	24.9	27.2	26.8	22.4	0.0	0.0	0.0
34	29.8	24.8	24.4	0.0	0.0	0.0	0.0	0.0
35	28.4	20.2S	26.6	26.3	24.1	23.3	0.0	0.0
36	28.0	26.3	0.0	0.0	0.0	0.0	0.0	0.0
37	32.6	31.4	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	28.7	30.4	0.0	0.0	0.0	0.0	0.0	0.0
40	29.1	27.7	0.0	0.0	0.0	0.0	0.0	0.0
41	31.0	31.4	0.0	0.0	0.0	0.0	0.0	0.0
42	24.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0
43	27.6	27.1	0.0	0.0	0.0	0.0	0.0	0.0
44	25.0S	26.5	0.0	0.0	0.0	0.0	0.0	0.0
45	29.5	29.8	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	NO	NO	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	29.40	28.90	28.95	27.60	24.70	23.50	12.30	9.10
MEAN	30.15	30.83	29.00	28.54	24.32	24.19	12.40	9.12
NOBS	34.00	34.00	24.00	17.00	17.00	7.00	5.00	4.00
SD	3.97	4.35	3.33	3.44	4.93	1.87	2.05	0.74
CV	13.16	30.33	11.56	12.06	20.29	7.75	16.50	8.07

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	29.30	28.90	28.90	27.60	24.40	23.50	12.30	9.10
MEAN	30.07	28.70	28.60	28.54	25.19	24.19	12.40	9.12
NOBS	32.00	32.00	23.00	17.00	16.00	7.00	5.00	4.00
SD	2.50	2.98	2.75	3.44	3.53	1.87	2.05	0.74
CV	8.30	10.37	9.62	12.06	14.00	7.75	16.50	8.07

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	29.30	28.50	28.30	27.60	24.10	23.50	12.30	9.10
MEAN	30.23	28.96	28.56	28.54	25.70	24.19	12.40	9.12
NOBS	31.00	29.00	21.00	17.00	15.00	7.00	5.00	4.00
SU	2.36	1.77	2.10	3.44	2.97	1.87	2.05	0.74
CV	7.79	6.10	7.55	12.06	11.56	7.75	16.50	8.07

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	22.9F	23.1	22.9	14.4	8.4	2.9	0.0	0.0
12	33.2	0.0	25.0	0.0	0.0	0.0	0.0	0.0
13	27.6	24.9	23.0	19.7	9.2	0.0	0.0	0.0
14	37.0	29.4	26.9	0.0	0.0	0.0	0.0	0.0
15	26.8	23.7	24.2	21.4	14.3S	20.8	0.0	0.0
16	27.3	25.7	24.5	0.0	0.0	0.0	0.0	0.0
17	37.8	25.0	22.7	16.7	7.1	15.2	7.7	7.5
18	31.5	26.6	25.3	21.9	7.3	0.0	0.0	0.0
19	30.9	26.5	26.4	23.4	8.6	21.3	8.7	7.7
20	25.5	23.9	24.2	0.0	0.0	0.0	0.0	0.0
21	28.5	25.2	23.6	18.3	0.0	0.0	0.0	0.0
22	31.3	27.7	24.3	22.7	18.8F	0.0	0.0	0.0
23	33.3	27.9	25.4	13.2	11.5F	18.6	6.2	5.6
24	35.4	27.5	25.0	13.8	9.9	0.0	0.0	0.0
25	41.0	28.4	25.7	20.3	9.4	0.0	0.0	0.0
26	31.4	26.8	25.7	0.0	0.0	0.0	0.0	0.0
27	34.2	28.0	24.4	15.5	6.1	27.4	7.2	7.4
28	35.8	27.4	26.0	12.2	6.4	0.0	0.0	0.0
29	37.3	31.3	26.0	23.3	9.2	22.4	0.6A	6.1
30	32.8	27.5	25.2	0.0	0.0	0.0	0.0	0.0
31	30.0	24.8	23.7	22.5	6.6	3.7A	0.0	0.0
32	35.4	26.6	24.8	0.0	0.0	0.0	0.0	0.0
33	24.5	24.7	22.1F	18.8	5.4	0.0	0.0	0.0
34	40.3	34.4F	26.7	0.0	0.0	0.0	0.0	0.0
35	35.5	31.3	24.7	17.4	9.7	17.6	0.0	0.0
36	30.1	24.7	0.0	0.0	0.0	0.0	0.0	0.0
37	36.2	36.3F	0.0	0.0	0.0	0.0	0.0	0.0
38	34.0	28.1	0.0	0.0	0.0	0.0	0.0	0.0
39	40.2	31.4	0.0	0.0	0.0	0.0	0.0	0.0
40	24.7	24.7	0.0	0.0	0.0	0.0	0.0	0.0
41	35.1	26.7	0.0	0.0	0.0	0.0	0.0	0.0
42	35.5	30.1	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	26.3	0.0	0.0	0.0	0.0	0.0	0.0
44	38.3	34.8F	0.0	0.0	0.0	0.0	0.0	0.0
45	32.3	30.7	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	NO	SKEW	NO	NO	NO	SKEW	SKEW	SKEW

FIRST ITERATION								
MODE	33.25	27.50	24.80	18.80	7.30	18.60	7.20	7.40
MEAN	32.91	27.91	24.75	18.59	8.70	16.66	6.03	6.86
NOBS	34.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	4.63	3.27	1.30	3.75	3.43	8.30	3.14	0.95
CV	14.07	11.71	5.25	20.16	39.47	49.83	52.52	13.78

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	33.20	26.80	24.75	18.80	7.20	18.60	7.20	7.40
MEAN	33.23	27.20	24.84	18.59	8.07	16.66	6.08	6.86
NOBS	33.00	31.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	4.30	2.38	1.20	3.75	2.31	8.30	3.19	0.95
CV	12.93	8.76	4.82	20.16	28.68	49.83	52.52	13.78

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	33.20	26.80	24.75	18.80	7.10	18.60	7.20	7.40
MEAN	33.23	27.20	24.84	18.59	7.65	16.66	6.08	6.86
NOBS	33.00	31.00	24.00	17.00	15.00	9.00	5.00	5.00
SD	4.30	2.38	1.20	3.75	1.67	8.30	3.19	0.95
CV	12.93	8.76	4.82	20.16	21.78	49.83	52.52	13.78

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 9, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	20.7	24.2	25.3	27.2	24.7	26.0	0.0	0.0
12	19.7	24.3	25.6	0.0	0.0	0.0	0.0	0.0
13	24.4	28.8	29.4	28.4	0.0	0.0	0.0	0.0
14	24.3	0.0	27.7	0.0	0.0	0.0	0.0	0.0
15	35.8F	34.3F	31.4	28.6	23.7	26.1	0.0	0.0
16	16.4	22.0	25.4	0.0	0.0	0.0	0.0	0.0
17	20.3	20.2	21.6	21.5	22.2	23.4	20.4	21.7
18	29.8	30.3	0.0	24.2	28.0F	0.0	0.0	0.0
19	29.7	31.3	30.4	28.1	24.0	24.3	24.4	23.3
20	30.1	31.5	31.7	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	19.7	22.7	23.6	24.4	21.8	0.0	0.0	0.0
23	24.8	27.7	26.5	19.0	22.5	27.9	24.5	25.5
24	24.6	0.0	25.8	25.7	20.0	0.0	0.0	0.0
25	31.5	27.6	29.8	25.9	16.65	0.0	0.0	0.0
26	15.6	22.3	24.7	0.0	0.0	0.0	0.0	0.0
27	17.4	21.6	22.3	18.6	18.4	17.1F	22.6	21.4
28	28.7	28.1	23.2	24.1	23.0	0.0	0.0	0.0
29	26.1	26.4	24.3	24.6	21.0	23.3	23.4	22.5
30	30.9	28.8	24.3	0.0	0.0	0.0	0.0	0.0
31	14.0	14.7	21.3	20.9	21.4	21.2	0.0	0.0
32	23.2	24.0	24.0	0.0	0.0	0.0	0.0	0.0
33	17.7	21.1	21.4	14.1F	19.8	0.0	0.0	0.0
34	25.6	26.5	22.6	0.0	0.0	0.0	0.0	0.0
35	24.7	32.0	31.0	30.4	23.7	25.2	0.0	0.0
36	24.3	26.4	0.0	0.0	0.0	0.0	0.0	0.0
37	25.2	26.1	0.0	0.0	0.0	0.0	0.0	0.0
38	28.3	27.4	0.0	0.0	0.0	0.0	0.0	0.0
39	24.4	24.4	0.0	0.0	0.0	0.0	0.0	0.0
40	23.7	28.1	0.0	0.0	0.0	0.0	0.0	0.0
41	25.4	23.6	0.0	0.0	0.0	0.0	0.0	0.0
42	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	17.3	26.0	0.0	0.0	0.0	0.0	0.0	0.0
44	24.4	29.1	0.0	0.0	0.0	0.0	0.0	0.0
45	23.7	27.2	0.0	0.0	0.0	0.0	0.0	0.0
FI MODAL	NO	NO	SKEW	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	25.30	26.90	25.40	24.50	22.20	24.30	23.40	22.50
MEAN	24.91	26.43	25.01	24.11	22.05	23.83	23.15	22.84
NOBS	34.00	31.00	23.00	16.00	15.00	9.00	5.00	5.00
SD	5.00	3.00	3.42	4.35	2.76	3.13	1.48	1.64
CV	20.07	13.41	13.14	18.03	12.52	13.37	6.41	7.17

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.20	26.70	25.40	24.40	22.00	23.85	23.40	22.50
MEAN	24.58	26.17	26.01	24.77	21.63	24.67	23.16	22.88
NOBS	33.00	30.00	23.00	15.00	14.00	8.00	5.00	5.00
SD	4.69	3.43	3.42	3.55	2.30	2.08	1.48	1.64
CV	19.07	13.12	13.14	14.34	10.64	8.42	6.41	7.17

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.20	26.70	25.40	24.40	21.80	23.85	23.40	22.50
MEAN	24.58	26.17	26.01	24.77	22.02	24.67	23.16	22.88
NOBS	33.00	30.00	23.00	15.00	13.00	8.00	5.00	5.00
SD	4.69	3.43	3.42	3.55	1.86	2.08	1.48	1.64
CV	19.07	13.12	13.14	14.34	8.45	8.42	6.41	7.17

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	31.4	35.0F	31.2	23.7	14.8	22.5	0.0	0.0
12	35.0S	32.8F	24.5	0.0	0.0	0.0	0.0	0.0
13	28.0	27.3	26.3	25.8	13.0	0.0	0.0	0.0
14	26.5	25.8	24.1	0.0	0.0	0.0	0.0	0.0
15	24.0	26.2	28.5	23.7	14.3	14.8	0.0	0.0
16	30.7	28.4	27.8	0.0	0.0	0.0	0.0	0.0
17	31.6	29.6	28.8	26.6	20.4	28.2 A	13.5	16.5
18	30.7	29.2	27.2	26.3	18.1	0.0	0.0	0.0
19	25.8	28.8	28.2	28.3	25.7	24.0	14.7	17.5
20	29.3	27.9	0.0	0.0	0.0	0.0	0.0	0.0
21	28.2	26.6	25.5	24.0	25.3	0.0	0.0	0.0
22	29.5	28.4	27.8	26.0	15.4	0.0	0.0	0.0
23	30.4	29.2	0.0	27.3	26.4	18.6	14.1	16.0
24	27.7	28.3	29.2	25.5	23.8	0.0	0.0	0.0
25	27.6	25.5	25.4	25.3	14.0	0.0	0.0	0.0
26	28.4	26.0	24.5	0.0	0.0	0.0	0.0	0.0
27	31.3	25.7	24.0	23.0	16.6	21.3	14.9	17.2
28	29.4	27.1	27.0	25.7	23.7	0.0	0.0	0.0
29	33.7	31.0	22.9	28.4	16.4	14.7	13.5	14.5
30	27.5	27.2	22.0	0.0	0.0	0.0	0.0	0.0
31	26.4	24.7	23.8	23.2	23.7	17.2	0.0	0.0
32	28.4	26.3	26.0	0.0	0.0	0.0	0.0	0.0
33	28.2	27.4	0.0	27.0	25.4	0.0	0.0	0.0
34	30.5	30.1	30.1	0.0	0.0	0.0	0.0	0.0
35	24.5	23.8S	22.9	22.4	14.5	20.5	0.0	0.0
36	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	31.2	27.8	0.0	0.0	0.0	0.0	0.0	0.0
38	25.4	26.0	0.0	0.0	0.0	0.0	0.0	0.0
39	26.5	25.8	0.0	0.0	0.0	0.0	0.0	0.0
40	35.0F	32.0S	0.0	0.0	0.0	0.0	0.0	0.0
41	26.8	26.2	0.0	0.0	0.0	0.0	0.0	0.0
42	30.5	24.1	0.0	0.0	0.0	0.0	0.0	0.0
43	24.5	24.6	0.0	0.0	0.0	0.0	0.0	0.0
44	35.2S	28.4	0.0	0.0	0.0	0.0	0.0	0.0
45	28.8	28.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	SKW	SKW

FIRST ITERATION								
MODE	29.30	27.60	26.25	25.70	19.50	20.50	14.10	16.60
MEAN	24.61	27.40	26.35	25.48	20.00	20.76	14.14	16.46
NOHS	35.00	34.00	22.00	17.00	17.00	9.00	5.00	5.00
SD	2.84	2.42	2.51	1.84	4.68	3.92	0.65	1.17
CV	9.58	8.64	9.51	7.22	23.39	18.91	4.63	7.12

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	29.15	27.35	26.25	25.70	19.50	20.50	14.10	16.60
MEAN	29.35	27.57	26.35	25.48	20.00	20.76	14.14	16.46
NOHS	34.00	32.00	22.00	17.00	17.00	9.00	5.00	5.00
SD	2.43	1.85	2.51	1.84	4.68	3.92	0.65	1.17
CV	8.26	6.71	9.51	7.22	23.39	18.91	4.63	7.12

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	28.95	27.25	26.25	25.70	19.50	20.50	14.10	16.60
MEAN	28.99	27.55	26.35	25.48	20.00	20.76	14.14	16.46
NOHS	32.00	30.00	22.00	17.00	17.00	9.00	5.00	5.00
SD	2.00	1.58	2.51	1.84	4.68	3.92	0.65	1.17
CV	6.89	5.73	9.51	7.22	23.39	18.91	4.63	7.12

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.8	28.3	30.0	0.0	18.0	25.3	0.0	0.0
12	0.0	27.2	27.1	0.0	10.0	0.0	0.0	0.0
13	28.7	27.7	26.8	23.4	14.3	0.0	0.0	0.0
14	28.0	28.4	27.5	0.0	0.0	0.0	0.0	0.0
15	32.5	30.5	32.3F	24.7	18.7	25.5	0.0	0.0
16	28.5	29.7	28.9	0.0	0.0	0.0	0.0	0.0
17	28.3F	27.1	27.3	25.0	19.1	27.9	13.9	22.5
18	27.3	26.9	26.7	22.8	13.4	0.0	0.0	0.0
19	27.2	24.0	25.6	25.4	17.0	25.4	20.4	27.4
20	30.2	24.9	29.1	0.0	0.0	0.0	0.0	0.0
21	28.5	27.8	27.8	25.2	24.3	0.0	0.0	0.0
22	30.8	30.8	24.4	20.8	25.2	0.0	0.0	0.0
23	29.0	28.1	28.1	26.5	18.9	27.4	23.6	23.1
24	24.4	28.9	24.4	27.1	22.0	0.0	0.0	0.0
25	24.4	28.4	27.0	25.6	25.4	0.0	0.0	0.0
26	32.55	31.8F	28.4	0.0	0.0	0.0	0.0	0.0
27	27.4	23.0	25.4	24.0	22.0	25.4	18.0	14.0
28	29.9	28.8	27.9	25.7	23.5	0.0	0.0	0.0
29	28.1	28.9	29.4	25.3	24.0	27.6	14.3	14.9
30	29.8	29.4	28.1	0.0	0.0	0.0	0.0	0.0
31	24.4	30.1	29.0	25.3	24.0	25.4	0.0	0.0
32	24.1	27.3	25.9	0.0	0.0	0.0	0.0	0.0
33	29.2	30.6	28.4	33.9F	22.9	0.0	0.0	0.0
34	32.55	28.4	30.6	0.0	0.0	0.0	0.0	0.0
35	24.3	24.8	31.25	30.25	28.7	24.5	0.0	0.0
36	0.0	25.9F	0.0	0.0	0.0	0.0	0.0	0.0
37	30.2	30.7	0.0	0.0	0.0	0.0	0.0	0.0
38	24.5	28.8	0.0	0.0	0.0	0.0	0.0	0.0
39	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	31.7	31.2	0.0	0.0	0.0	0.0	0.0	0.0
41	24.7	28.2	0.0	0.0	0.0	0.0	0.0	0.0
42	24.3	24.0	0.0	0.0	0.0	0.0	0.0	0.0
43	27.4	28.7	0.0	0.0	0.0	0.0	0.0	0.0
44	30.0	30.2	0.0	0.0	0.0	0.0	0.0	0.0
45	28.0	26.9	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	SKEW	NO	NO	SKEW

FIRST ITERATION

MODE	29.40	28.90	28.40	26.00	22.00	27.40	19.30	22.40
MEAN	30.36	28.43	28.53	26.49	21.29	27.11	20.14	21.38
NOBS	31.01	34.90	25.00	16.00	17.00	9.00	5.00	5.00
SD	5.22	1.35	1.43	2.78	4.18	1.53	2.20	1.81
CV	17.19	4.54	5.03	10.48	19.64	5.66	10.93	8.47

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	29.40	28.85	28.40	25.70	22.00	27.40	19.30	22.40
MEAN	29.48	28.98	28.37	26.00	21.29	27.11	20.14	21.38
NOBS	32.00	32.00	24.00	15.00	17.00	9.00	5.00	5.00
SD	1.34	1.17	1.23	2.02	4.18	1.53	2.20	1.81
CV	4.54	4.03	4.32	7.77	19.64	5.66	10.93	8.47

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	29.35	28.85	28.40	25.65	22.00	27.40	19.30	22.40
MEAN	29.28	28.98	28.25	25.70	21.29	27.11	20.14	21.38
NOBS	30.00	32.00	23.00	14.00	17.00	9.00	5.00	5.00
SD	1.11	1.17	1.04	1.71	4.18	1.53	2.20	1.81
CV	3.77	4.03	3.87	6.67	19.64	5.66	10.93	8.47

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	26.8	27.3	26.2	25.8	24.1	24.3	0.0	0.0
12	35.7	31.0	30.4	25.0	0.0	0.0	0.0	0.0
13	30.1	28.7	27.8	25.5	24.4	0.0	0.0	0.0
14	31.6	31.4	31.4	0.0	0.0	0.0	0.0	0.0
15	27.1	26.5	25.9	24.3	23.7	27.1	0.0	0.0
16	28.9	29.6	30.1	0.0	0.0	0.0	0.0	0.0
17	32.7	28.8	28.3	27.8	27.0	25.4	22.3	22.0
18	31.4	35.5	32.3	28.5	24.6	0.0	0.0	0.0
19	30.7	28.6	27.3	26.2	25.7	24.5	19.4	17.8
20	32.7	23.1	29.4	0.0	0.0	0.0	0.0	0.0
21	31.3	31.5	31.8	28.0	28.3	0.0	0.0	0.0
22	30.6	31.7	29.9	28.5	26.5	0.0	0.0	0.0
23	35.6	31.3	30.6	31.4	26.8	0.0	0.0	0.0
24	31.6	30.9	28.0	24.5	22.4	0.0	0.0	0.0
25	34.3	33.1	30.8	28.7	27.3	0.0	0.0	0.0
26	35.3	31.2	29.7	0.0	0.0	0.0	0.0	0.0
27	34.0	32.4	33.6	31.3	27.8	0.0	0.0	0.0
28	32.3	30.4	29.7	31.0	29.4	0.0	0.0	0.0
29	32.7	29.3	28.7	29.0	27.1	0.0	0.0	0.0
30	37.1	31.7	31.9	0.0	0.0	0.0	0.0	0.0
31	37.1	33.4	32.9	31.5	30.4	0.0	0.0	0.0
32	37.7	31.4	31.3	0.0	0.0	0.0	0.0	0.0
33	32.9	30.4	31.0	31.8	29.7	0.0	0.0	0.0
34	32.8	29.0	28.8	0.0	0.0	0.0	0.0	0.0
35	24.9	24.2	34.2	32.8	31.0	0.0	0.0	0.0
36	31.8	29.4	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	28.3	27.4	0.0	0.0	0.0	0.0	0.0	0.0
39	33.3	33.1	0.0	0.0	0.0	0.0	0.0	0.0
40	34.6	25.6	0.0	0.0	0.0	0.0	0.0	0.0
41	36.8	31.5	0.0	0.0	0.0	0.0	0.0	0.0
42	35.3	32.8	0.0	0.0	0.0	0.0	0.0	0.0
43	33.3	32.4	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	32.5	32.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	32.50	31.00	30.10	28.50	27.00	24.95	21.10	19.90
MEAN	32.74	30.42	30.12	28.62	26.85	25.32	21.10	19.90
NOBS	33.00	33.00	25.00	17.00	17.00	4.00	2.00	2.00
SD	3.30	2.54	2.17	2.70	2.46	1.28	1.79	2.97
CV	10.07	8.32	7.20	9.44	9.16	5.04	8.04	14.92

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	32.40	30.90	30.10	28.50	27.00	24.95	21.10	19.90
MEAN	32.57	30.44	30.12	28.62	26.85	25.32	21.10	19.90
NOBS	32.00	31.00	25.00	17.00	17.00	4.00	2.00	2.00
SD	3.12	2.04	2.17	2.70	2.46	1.28	1.70	2.97
CV	4.57	6.70	7.20	9.44	9.16	5.04	8.04	14.92

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	32.40	30.70	30.10	28.50	27.00	24.95	21.10	19.90
MEAN	32.57	30.65	30.12	28.62	26.85	25.32	21.10	19.90
NOBS	32.00	30.00	25.00	17.00	17.00	4.00	2.00	2.00
SD	3.12	1.86	2.17	2.70	2.46	1.28	1.70	2.97
CV	4.57	6.08	7.20	9.44	9.16	5.04	8.04	14.92

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	37.4S	32.4	27.2	30.0	24.8	27.9	0.0	0.0
12	33.2	30.0	26.8	0.0	0.0	0.0	0.0	0.0
13	30.0	29.5	28.2	24.7	22.7	0.0	0.0	0.0
14	31.5	24.0	27.8	0.0	0.0	0.0	0.0	0.0
15	29.7	30.6	27.9	23.4	23.8	26.8	0.0	0.0
16	30.8	27.9	23.9F	0.0	0.0	0.0	0.0	0.0
17	31.6	30.2	28.5	26.1	24.1	27.6	25.3	25.1
18	30.2	28.8	28.0	24.2	22.5	0.0	0.0	0.0
19	30.4	30.4	27.8	23.1	22.5	27.3	23.6	23.2
20	30.1	27.6	25.6S	0.0	0.0	0.0	0.0	0.0
21	33.3	31.3	29.1	26.8	26.5	0.0	0.0	0.0
22	32.7	32.1	29.3	25.5	25.9	0.0	0.0	0.0
23	30.5	28.2	24.4F	23.3	24.4	26.9	25.2	25.2
24	28.4	24.1	28.8	27.7	23.1	0.0	0.0	0.0
25	30.2	31.3	28.5	27.3	31.6S	0.0	0.0	0.0
26	32.8	32.9	29.2	0.0	0.0	0.0	0.0	0.0
27	33.3	30.3	29.2	30.4	26.8	27.8	24.7	23.6
28	32.2	26.7S	25.9	24.0	13.4F	0.0	0.0	0.0
29	28.9	30.1	30.9	32.4F	28.5	24.7F	23.0	19.8
30	28.3	29.6	28.5	0.0	0.0	0.0	0.0	0.0
31	30.4	30.3	29.0	28.8	26.1	28.2	0.0	0.0
32	31.2	30.4	30.8	0.0	0.0	0.0	0.0	0.0
33	31.1	29.8	29.9	27.7	24.1	0.0	0.0	0.0
34	14.3F	32.3	22.0F	0.0	0.0	0.0	0.0	0.0
35	30.0	30.1	28.2	24.7	18.2S	27.9	0.0	0.0
36	31.9	31.7	0.0	0.0	0.0	0.0	0.0	0.0
37	17.9F	38.0F	0.0	0.0	0.0	0.0	0.0	0.0
38	26.8	28.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0
40	29.4	28.1	0.0	0.0	0.0	0.0	0.0	0.0
41	27.5	27.0	0.0	0.0	0.0	0.0	0.0	0.0
42	35.6S	44.4F	0.0	0.0	0.0	0.0	0.0	0.0
43	32.4	30.1	0.0	0.0	0.0	0.0	0.0	0.0
44	30.6	29.8	0.0	0.0	0.0	0.0	0.0	0.0
45	30.6	31.6	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	SKEW	SKEW	NO

FIRST ITERATION

MODE	30.60	30.10	28.50	26.10	24.10	27.60	24.70	23.60
MEAN	30.18	30.58	28.22	26.61	24.06	27.23	24.36	23.42
NOBS	34.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	4.16	3.27	1.88	2.64	3.98	1.06	1.02	2.14
CV	13.79	10.71	6.67	9.92	16.56	3.84	4.17	9.34

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	30.55	30.10	28.20	25.80	24.10	27.45	24.70	23.60
MEAN	31.06	29.90	28.41	26.24	24.72	27.55	24.36	23.42
NOBS	32.00	33.00	22.00	16.00	16.00	8.00	5.00	5.00
SD	2.15	1.58	1.32	2.25	2.98	0.50	1.02	2.14
CV	6.94	5.28	4.66	8.57	12.05	1.83	4.17	9.34

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	30.45	30.05	28.20	25.80	23.95	27.45	24.70	23.60
MEAN	30.70	30.00	28.55	26.24	24.70	27.55	24.36	23.42
NOBS	30.00	32.00	21.00	16.00	14.00	8.00	5.00	5.00
SD	1.65	1.49	1.19	2.25	1.83	0.50	1.02	2.14
CV	5.38	4.98	4.18	8.57	7.40	1.83	4.17	9.34

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	38.8	32.2	29.6	26.7	15.0	30.6	0.0	0.0
12	40.2	29.7	29.5	0.0	0.0	0.0	0.0	0.0
13	42.4	29.9	28.2	27.3	12.1	0.0	0.0	0.0
14	37.6	33.2	26.7	0.0	0.0	0.0	0.0	0.0
15	40.8	31.1	26.7	23.2	9.3	21.3	0.0	0.0
16	40.6	32.3	29.5	0.0	0.0	0.0	0.0	0.0
17	43.1	29.2	28.0	15.8S	10.8	29.3	11.8	12.0
18	37.0	28.9	27.1	12.0F	8.7	0.0	0.0	0.0
19	30.0F	27.7	27.1	25.6	9.1	21.7	11.9	12.3
20	45.3	26.5	29.5	0.0	0.0	0.0	0.0	0.0
21	45.7	34.5S	36.3F	28.0	24.6S	0.0	0.0	0.0
22	32.0	37.0S	28.2	27.8	12.8S	0.0	0.0	0.0
23	39.4	30.7	28.6	25.3	4.3	30.2	12.3	11.9
24	43.4	36.3	21.5F	26.1	11.5	0.0	0.0	0.0
25	40.4	32.9	28.7	18.9	10.0	0.0	0.0	0.0
26	35.9	16.3F	29.6	0.0	0.0	0.0	0.0	0.0
27	36.9	30.7	29.2	28.9	18.8	27.4	12.7	12.5
28	41.8	32.4	35.4S	0.0	19.6	0.0	0.0	0.0
29	31.0S	43.5F	29.1	27.8	26.5F	0.0	0.0	0.0
30	37.4	32.8	30.0	0.0	0.0	0.0	0.0	0.0
31	49.5F	24.6	26.1	28.2	17.0	20.6	0.0	0.0
32	37.7	27.7	26.0	0.0	0.0	0.0	0.0	0.0
33	41.0	24.5	26.5	25.1	9.7	0.0	0.0	0.0
34	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0
35	35.7	31.3	36.9F	24.9	11.1	25.6	0.0	0.0
36	36.7	28.6	0.0	0.0	0.0	0.0	0.0	0.0
37	31.8	28.9	0.0	0.0	0.0	0.0	0.0	0.0
38	41.2	29.7	0.0	0.0	0.0	0.0	0.0	0.0
39	38.3	30.2	0.0	0.0	0.0	0.0	0.0	0.0
40	37.5	28.7	0.0	0.0	0.0	0.0	0.0	0.0
41	38.1	29.7	0.0	0.0	0.0	0.0	0.0	0.0
42	35.2	33.9	0.0	0.0	0.0	0.0	0.0	0.0
43	39.2	28.7	0.0	0.0	0.0	0.0	0.0	0.0
44	34.5	28.0	0.0	0.0	0.0	0.0	0.0	0.0
45	34.6	30.1	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEW	SKEW	NO	NO	NO

FIRST ITERATION

MODE	38.55	30.00	28.70	25.85	11.50	26.50	12.10	12.15
MEAN	38.72	30.68	28.84	24.39	13.88	25.84	12.17	12.20
NOBS	34.00	34.00	25.00	16.00	17.00	8.00	4.00	4.00
SD	4.23	4.50	3.32	4.65	5.55	4.16	0.41	0.32
CV	10.93	14.57	11.51	19.06	40.02	16.11	3.38	2.59

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	38.20	29.80	28.20	25.60	11.30	26.50	12.10	12.15
MEAN	38.65	30.73	28.47	23.17	13.09	25.84	12.17	12.20
NOBS	32.00	32.00	22.00	15.00	16.00	8.00	4.00	4.00
SD	3.58	3.10	2.03	3.54	4.65	4.16	0.41	0.32
CV	9.25	10.08	7.15	14.08	35.52	16.11	3.38	2.59

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	38.10	29.70	28.20	25.45	11.10	26.50	12.10	12.15
MEAN	38.90	30.21	28.14	25.84	12.32	25.84	12.17	12.20
NOBS	31.00	30.00	21.00	14.00	15.00	8.00	4.00	4.00
SD	3.35	2.38	1.35	2.51	3.61	4.16	0.41	0.32
CV	8.60	7.89	4.81	9.70	29.33	16.11	3.38	2.59

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 19, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	27.2	25.5	27.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	29.9	24.8	24.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	25.7	25.3	25.9
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	26.7	26.6	26.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	NO	NO	NO	NO	NO	SKEW	SKEW	NO

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	26.95	26.05	26.75
MEAN	0.0	0.0	0.0	0.0	0.0	27.37	26.80	27.13
NUMS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	1.80	2.08	1.42
CV	0.0	0.0	0.0	0.0	0.0	6.56	7.76	5.25

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	26.95	26.05	26.75
MEAN	0.0	0.0	0.0	0.0	0.0	27.37	26.80	27.13
NUMS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	1.80	2.08	1.42
CV	0.0	0.0	0.0	0.0	0.0	6.56	7.76	5.25

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	26.95	26.05	26.75
MEAN	0.0	0.0	0.0	0.0	0.0	27.37	26.80	27.13
NUMS	0.0	0.0	0.0	0.0	0.0	4.00	4.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	1.80	2.08	1.42
CV	0.0	0.0	0.0	0.0	0.0	6.56	7.76	5.25

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 20, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	31.6	28.2	30.5	28.4	29.2	28.1	0.0	0.0
12	34.7	33.4	34.2	0.0	0.0	0.0	0.0	0.0
13	32.4	32.8	32.7	35.0	32.3	0.0	0.0	0.0
14	29.9	30.6	33.2	0.0	0.0	0.0	0.0	0.0
15	35.1	34.9	36.9	40.0	28.8	32.7	0.0	0.0
16	29.7	30.0	31.1	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	29.1	27.4	28.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	28.9	29.1	28.9
20	29.2	29.1	29.6	0.0	0.0	0.0	0.0	0.0
21	34.2	35.3	33.5	33.4	33.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	32.3	34.2	33.9	33.4	33.2	0.0	0.0	0.0
26	31.6	29.9	30.3	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	28.7	30.1	27.9
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	26.2	26.2	27.2
30	0.0	31.8	33.1	0.0	0.0	0.0	0.0	0.0
31	41.4	30.3	28.4	27.6	33.9	27.0	0.0	0.0
32	31.6	31.3	32.1	0.0	0.0	0.0	0.0	0.0
33	30.1	29.1	29.7	34.6	31.7	0.0	0.0	0.0
34	34.1	31.0	32.2	0.0	0.0	0.0	0.0	0.0
35	32.4	34.1	31.6	31.9	32.9	32.5	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	SKEW	SKEW	SKEW	SKEW	NO

FIRST ITERATION

MODE	32.30	31.15	32.15	32.65	32.60	28.80	26.80	27.55
MEAN	32.64	31.62	32.00	31.79	31.94	29.15	27.45	27.50
NOBS	15.00	16.00	16.00	8.00	8.00	8.00	4.00	4.00
SD	3.04	2.24	2.13	2.62	1.94	2.35	1.86	0.54
CV	9.31	7.07	6.64	8.87	6.07	8.05	6.79	1.95

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	31.95	31.15	32.10	32.65	32.60	28.80	26.80	27.55
MEAN	32.06	31.62	31.74	31.79	31.94	29.15	27.45	27.50
NOBS	14.00	16.00	15.00	8.00	8.00	8.00	4.00	4.00
SD	1.93	2.24	1.75	2.62	1.94	2.35	1.86	0.54
CV	6.00	7.07	5.52	8.87	6.07	8.05	6.79	1.95

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	31.95	31.15	32.10	32.65	32.60	28.80	26.80	27.55
MEAN	32.06	31.62	31.74	31.79	31.94	29.15	27.45	27.50
NOBS	14.00	16.00	15.00	8.00	8.00	8.00	4.00	4.00
SD	1.93	2.24	1.75	2.62	1.94	2.35	1.86	0.54
CV	6.00	7.07	5.52	8.87	6.07	8.05	6.79	1.95

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 21, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	33.0	35.1	35.3	34.6	37.3	35.0	27.6	14.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	33.3	32.4	34.0	33.7	33.6	24.2	25.4	17.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	33.9	32.5	32.8	35.3	35.1	31.6	26.4	25.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	35.3	33.7	38.6	34.3	35.2	32.2	28.3	24.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	31.6	33.7	32.8	32.3	31.6	34.3	22.4	16.5
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	33.30	33.70	34.00	34.30	35.10	32.20	26.80	19.80
MEAN	33.42	33.48	34.70	34.04	34.56	32.46	26.20	20.76
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.35	1.10	2.41	1.13	2.11	2.31	2.31	4.15
CV	4.03	3.29	6.95	3.32	6.12	7.10	8.80	20.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	33.30	33.70	34.00	34.30	35.10	32.20	26.80	19.80
MEAN	33.42	33.48	34.70	34.04	34.56	32.46	26.20	20.76
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.35	1.10	2.41	1.13	2.11	2.31	2.31	4.15
CV	4.03	3.29	6.95	3.32	6.12	7.10	8.80	20.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	33.30	33.70	34.00	34.30	35.10	32.20	26.80	19.80
MEAN	33.42	33.48	34.70	34.04	34.56	32.46	26.20	20.76
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.35	1.10	2.41	1.13	2.11	2.31	2.31	4.15
CV	4.03	3.29	6.95	3.32	6.12	7.10	8.80	20.00

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 25, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	26.7	25.1F	26.6	24.8	24.7	23.8	0.0	0.0
12	28.5	28.2	28.0	0.0	0.0	0.0	0.0	0.0
13	31.7	31.5	30.4	31.4	26.9	0.0	0.0	0.0
14	28.7	30.0	29.6	0.0	0.0	0.0	0.0	0.0
15	29.7	30.2	28.0	26.5	26.4	25.3	0.0	0.0
16	33.1	33.0	32.6	0.0	0.0	0.0	0.0	0.0
17	29.8	30.4	30.6	30.7	27.1	25.3	22.2	11.8
18	32.5	31.3	29.7	29.2	26.4	0.0	0.0	0.0
19	37.5F	33.3	31.8	29.2	25.4	26.2	22.4	14.5
20	30.6	27.4	28.4	0.0	0.0	0.0	0.0	0.0
21	33.7	34.3	24.2	21.9	27.9	0.0	0.0	0.0
22	34.2	0.0	32.4	29.6	40.1F	0.0	0.0	0.0
23	36.5S	34.3	34.8F	31.2	30.1	25.8	23.9	21.9
24	31.0	31.7	33.6S	34.3F	33.4S	0.0	0.0	0.0
25	31.6	31.3	28.9	26.2	25.3	0.0	0.0	0.0
26	31.2	31.3	31.3	0.0	0.0	0.0	0.0	0.0
27	31.0	31.5	30.4	29.2	25.3	27.4	23.3	14.1
28	32.1	30.4	30.9	27.6	24.2	0.0	0.0	0.0
29	29.7	30.1	29.7	27.9	25.5	26.8	24.4	16.2
30	30.8	30.8	29.8	0.0	0.0	0.0	0.0	0.0
31	33.2	33.7	28.9	26.4	25.9	26.3	0.0	0.0
32	27.2	28.7	26.7	0.0	0.0	0.0	0.0	0.0
33	28.0	28.4	28.6	27.6	24.5	0.0	0.0	0.0
34	30.8	29.8	29.4	0.0	0.0	0.0	0.0	0.0
35	30.1	30.3	30.4	28.4	25.9	23.8	0.0	0.0
36	29.8	30.3	0.0	0.0	0.0	0.0	0.0	0.0
37	28.5	28.2	0.0	0.0	0.0	0.0	0.0	0.0
38	31.7	30.0	0.0	0.0	0.0	0.0	0.0	0.0
39	27.5	27.0	0.0	0.0	0.0	0.0	0.0	0.0
40	32.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0
41	32.3	31.4	0.0	0.0	0.0	0.0	0.0	0.0
42	33.4	32.3	0.0	0.0	0.0	0.0	0.0	0.0
43	31.1	30.8	0.0	0.0	0.0	0.0	0.0	0.0
44	37.5F	33.3	0.0	0.0	0.0	0.0	0.0	0.0
45	32.6	32.3	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	31.00	30.60	29.70	28.40	25.90	25.80	23.30	14.50
MEAN	31.23	30.57	30.03	28.74	27.36	25.63	23.34	15.66
NOHS	35.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SU	2.66	2.23	1.98	2.29	3.98	1.24	0.86	3.46
CV	8.50	7.30	6.59	7.96	14.55	4.82	3.67	24.63

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	31.00	30.40	29.70	28.15	25.90	25.80	23.30	14.50
MEAN	30.85	30.73	29.83	28.39	26.56	25.63	23.34	15.66
NOHS	33.00	33.00	24.00	16.00	16.00	9.00	5.00	5.00
SU	2.21	2.04	1.75	1.84	2.32	1.24	0.86	3.46
CV	7.16	6.64	5.86	6.49	8.74	4.82	3.67	24.63

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	30.90	30.40	29.70	28.15	25.90	25.80	23.30	14.50
MEAN	30.67	30.73	29.67	28.39	26.11	25.63	23.34	15.66
NOHS	32.00	33.00	23.00	16.00	15.00	9.00	5.00	5.00
SU	1.99	2.04	1.59	1.84	1.49	1.24	0.86	3.46
CV	6.50	6.64	5.35	6.49	5.71	4.82	3.67	24.63

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 26, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	32.3	33.7	34.1	36.5	36.4	29.9	28.4	26.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	34.5	33.1	34.9	35.5	36.1	29.4	27.4	27.9
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	34.9	34.9	34.7	37.0	36.9	31.5	26.3	25.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	33.5	33.5	34.0	43.3 A	34.2	30.8	27.5	26.7
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	33.7	34.3	34.4	33.1	34.3	26.2	28.4	26.9
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEW	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	33.70	33.80	34.40	36.50	36.10	29.90	27.50	26.70
MEAN	33.78	33.96	34.42	37.08	35.58	29.56	27.60	26.76
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.01	0.68	0.38	3.79	1.25	2.05	0.87	0.79
CV	2.98	1.99	1.11	10.21	3.51	6.92	3.15	2.94

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	33.70	33.80	34.40	36.50	36.10	29.90	27.50	26.70
MEAN	33.78	33.96	34.42	37.08	35.58	29.56	27.60	26.76
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.01	0.68	0.38	3.79	1.25	2.05	0.87	0.79
CV	2.98	1.99	1.11	10.21	3.51	6.92	3.15	2.94

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	33.70	33.80	34.40	36.50	36.10	29.90	27.50	26.70
MEAN	33.78	33.96	34.42	37.08	35.58	29.56	27.60	26.76
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.01	0.68	0.38	3.79	1.25	2.05	0.87	0.79
CV	2.98	1.99	1.11	10.21	3.51	6.92	3.15	2.94

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8
11	27.0	26.0	25.1	24.5	25.7	26.0	0.0	0.0
12	25.8	26.3	25.2	0.0	0.0	0.0	0.0	0.0
13	26.0	25.4	25.3	26.7	27.6	0.0	0.0	0.0
14	27.2	25.4	26.1	0.0	0.0	0.0	0.0	0.0
15	27.1	27.8	27.1	27.4	26.4	28.1	0.0	0.0
16	29.2	30.0	24.3	0.0	0.0	0.0	0.0	0.0
17	27.1	27.3	26.8	26.5	25.7	23.0	14.2	12.1
18	34.4f	33.75	30.2	28.6	26.0	0.0	0.0	0.0
19	27.6	27.0	27.7	28.0	25.8	25.9	17.3	15.1
20	29.1	30.8	0.0	0.0	0.0	0.0	0.0	0.0
21	28.3	27.6	27.0	27.0	26.2	0.0	0.0	0.0
22	27.1	27.5	26.4	25.0	25.4	0.0	0.0	0.0
23	28.8	24.2	24.5	27.4	23.4	0.0	0.0	0.0
24	26.7	28.8	28.0	27.7	27.8	0.0	0.0	0.0
25	27.3	26.0	26.5	25.8	27.2	0.0	0.0	0.0
26	32.15	32.2	32.7f	0.0	0.0	0.0	0.0	0.0
27	28.7	26.1	26.1	25.5	24.0	23.2	15.8	11.1
28	28.3	27.8	27.0	26.5	24.2	0.0	0.0	0.0
29	28.8	28.3	28.8	28.0	23.7	24.1	24.6	11.0
30	27.4	27.5	27.5	0.0	0.0	0.0	0.0	0.0
31	32.8f	32.1	28.4	30.1	29.4f	26.5	0.0	0.0
32	28.05	32.0	24.8	0.0	0.0	0.0	0.0	0.0
33	28.9	67.3f	28.7	25.8	26.5	0.0	0.0	0.0
34	27.6	27.1	28.3	0.0	0.0	0.0	0.0	0.0
35	31.6	30.3	28.6	24.9	28.95	17.5f	0.0	0.0
36	27.3	27.4	0.0	0.0	0.0	0.0	0.0	0.0
37	28.8	28.8	0.0	0.0	0.0	0.0	0.0	0.0
38	26.5	27.3	0.0	0.0	0.0	0.0	0.0	0.0
39	26.4	27.5	0.0	0.0	0.0	0.0	0.0	0.0
40	31.7	29.3	0.0	0.0	0.0	0.0	0.0	0.0
41	27.4	25.4	0.0	0.0	0.0	0.0	0.0	0.0
42	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	25.6	33.45	0.0	0.0	0.0	0.0	0.0	0.0
44	28.7	27.5	0.0	0.0	0.0	0.0	0.0	0.0
45	28.2	27.7	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	28.60	27.75	27.60	27.00	26.00	25.00	16.55	11.60
MEAN	28.77	29.60	27.72	27.15	26.38	24.36	17.97	12.32
NOBS	35.00	34.00	24.00	17.00	17.00	8.00	4.00	4.00
SD	2.00	7.03	1.74	1.55	1.44	3.22	4.59	1.92
CV	6.96	23.74	6.24	5.71	5.46	13.23	25.56	15.54

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	28.30	27.70	27.60	27.00	25.95	24.10	16.55	11.60
MEAN	28.48	28.46	27.50	27.15	26.19	25.34	17.97	12.32
NOBS	33.00	33.00	23.00	17.00	16.00	7.00	4.00	4.00
SD	1.63	2.27	1.42	1.55	1.25	1.77	4.59	1.92
CV	5.74	7.99	5.15	5.71	4.78	7.00	25.56	15.54

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	28.20	27.60	27.60	27.00	25.90	24.10	16.55	11.60
MEAN	28.25	28.13	27.50	27.15	26.01	25.34	17.97	12.32
NOBS	31.00	31.00	23.00	17.00	15.00	7.00	4.00	4.00
SD	1.39	1.92	1.42	1.55	1.06	1.77	4.59	1.92
CV	4.93	6.81	5.15	5.71	4.06	7.00	25.56	15.54

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 29, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	34.7	31.1	31.0	28.1	27.1	25.4	18.9	12.3
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	32.1	30.1	27.2	28.6	27.8	27.9	24.5	24.3 A
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	36.2	35.8	35.3	31.7	28.7	28.4	23.7	11.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	34.1	32.2	29.3	29.4	29.8	25.3	24.0	16.9
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	31.9	29.1	0.0	29.4	28.2	28.3	23.9	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	SKEW	SKEW	NO

FIRST ITERATION

MODE	34.10	31.10	30.15	29.40	28.20	28.30	23.90	14.60
MEAN	33.80	31.66	30.70	29.44	28.32	27.66	23.00	16.20
NOBS	5.00	5.00	4.00	5.00	5.00	5.00	5.00	4.00
SD	1.81	2.59	3.44	1.38	1.01	1.28	2.31	5.93
CV	5.37	8.17	11.20	4.68	3.58	4.62	10.05	36.57

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	34.10	31.10	30.15	29.40	28.20	28.30	23.90	14.60
MEAN	33.80	31.66	30.70	29.44	28.32	27.66	23.00	16.20
NOBS	5.00	5.00	4.00	5.00	5.00	5.00	5.00	4.00
SD	1.81	2.59	3.44	1.38	1.01	1.28	2.31	5.93
CV	5.37	8.17	11.20	4.68	3.58	4.62	10.05	36.57

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	34.10	31.10	30.15	29.40	28.20	28.30	23.90	14.60
MEAN	33.80	31.66	30.70	29.44	28.32	27.66	23.00	16.20
NOBS	5.00	5.00	4.00	5.00	5.00	5.00	5.00	4.00
SD	1.81	2.59	3.44	1.38	1.01	1.28	2.31	5.93
CV	5.37	8.17	11.20	4.68	3.58	4.62	10.05	36.57

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1976 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 30, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	29.7	27.9	27.8	27.7	27.6	25.9	7.6	9.3
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	33.1	31.6	31.8	33.6	30.2	26.0	24.2	11.9
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	30.9	30.7	29.3	30.1	30.0	27.0	23.8	13.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	33.9	34.2	33.1	30.9	31.6	29.8	24.9	18.5 A
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	33.4	32.8	32.2	32.4	33.2	18.7 A	8.2	10.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	SKEW	NO	SKEW	NO	NO	SKEW	SKEW	NO

FIRST ITERATION

MODE	33.10	31.80	31.80	30.90	30.20	26.00	23.80	11.90
MEAN	32.20	31.44	30.84	30.94	30.52	25.48	17.74	12.72
NUMS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.81	2.35	2.21	2.26	2.08	4.10	8.99	3.58
CV	5.62	7.49	7.16	7.30	6.80	16.11	50.70	28.12

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	33.10	31.80	31.80	30.90	30.20	26.00	23.80	11.90
MEAN	32.20	31.44	30.84	30.94	30.52	25.48	17.74	12.72
NUMS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.81	2.35	2.21	2.26	2.08	4.10	8.99	3.58
CV	5.62	7.49	7.16	7.30	6.80	16.11	50.70	28.12

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	33.10	31.80	31.80	30.90	30.20	26.00	23.80	11.90
MEAN	32.20	31.44	30.84	30.94	30.52	25.48	17.74	12.72
NUMS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.81	2.35	2.21	2.26	2.08	4.10	8.99	3.58
CV	5.62	7.49	7.16	7.30	6.80	16.11	50.70	28.12

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1976 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 31, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	30.9	29.1	30.2	19.4 A	26.5	24.7	19.4	13.7
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	27.6	25.8	30.4	32.4	26.3	25.1	21.2	18.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	28.0	26.5	25.1	30.2	27.4	20.8	15.0	15.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	28.3	28.2	28.2	26.1	19.0 A	27.2	15.4	14.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	SKEW	SKEW	NO	SKEW

FIRST ITERATION

MODE	28.15	28.50	29.20	28.15	26.40	24.90	17.40	14.95
MEAN	28.70	28.15	28.47	27.02	24.80	24.45	17.75	15.50
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	1.49	1.16	2.46	5.71	3.90	2.67	3.04	1.89
CV	5.21	4.13	8.64	21.15	15.71	10.92	17.12	12.18

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	28.15	28.50	29.20	28.15	26.40	24.90	17.40	14.95
MEAN	28.70	28.15	28.47	27.02	24.80	24.45	17.75	15.50
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	1.49	1.16	2.46	5.71	3.90	2.67	3.04	1.89
CV	5.21	4.13	8.64	21.15	15.71	10.92	17.12	12.18

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	28.15	28.50	29.20	28.15	26.40	24.90	17.40	14.95
MEAN	28.70	28.15	28.47	27.02	24.80	24.45	17.75	15.50
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	1.49	1.16	2.46	5.71	3.90	2.67	3.04	1.89
CV	5.21	4.13	8.64	21.15	15.71	10.92	17.12	12.18

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 34, CROP - MILU

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	26.6	14.3	14.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	23.5	27.4	15.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	29.0	27.3	25.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	24.5	27.0	25.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	24.4	19.1	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	26.60	22.40	22.30
MEAN	0.0	0.0	0.0	0.0	0.0	26.60	22.02	21.38
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	2.67	5.50	5.04
CV	0.0	0.0	0.0	0.0	0.0	10.00	24.97	23.50

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	26.60	22.40	22.30
MEAN	0.0	0.0	0.0	0.0	0.0	26.60	22.02	21.38
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	2.67	5.50	5.04
CV	0.0	0.0	0.0	0.0	0.0	10.00	24.97	23.50

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	26.60	22.40	22.30
MEAN	0.0	0.0	0.0	0.0	0.0	26.60	22.02	21.38
NOBS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	4.00
SD	0.0	0.0	0.0	0.0	0.0	2.67	5.50	5.04
CV	0.0	0.0	0.0	0.0	0.0	10.00	24.97	23.50

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 37, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	31.8	29.8	30.6	30.4	26.6	29.7	26.8	22.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	28.8	29.0	27.9	28.0	31.2	29.1	26.2	26.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	30.6	31.4	31.1	27.2	26.7	27.2	23.5	22.5
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	34.0	36.8	35.5	27.1	28.0	22.9	25.3	26.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	34.6	39.0 A	40.3 A	40.9 A	39.0 A	31.5	32.0 A	31.8 A
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	NO	SKEW	NO	NO	NO	NO

FIRST ITERATION								
MODE	31.80	31.40	31.10	28.00	28.00	29.10	26.20	26.00
MEAN	31.96	33.32	33.08	30.72	30.30	28.08	26.76	25.98
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	2.40	4.31	4.87	5.84	5.21	3.28	3.18	3.77
CV	7.50	12.93	14.72	19.02	17.18	11.67	11.90	14.50

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	31.80	31.40	31.10	28.00	28.00	29.10	26.20	26.00
MEAN	31.96	33.32	33.08	30.72	30.30	28.08	26.76	25.98
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	2.40	4.31	4.87	5.84	5.21	3.28	3.18	3.77
CV	7.50	12.93	14.72	19.02	17.18	11.67	11.90	14.50

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	31.80	31.40	31.10	28.00	28.00	29.10	26.20	26.00
MEAN	31.96	33.32	33.08	30.72	30.30	28.08	26.76	25.98
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	2.40	4.31	4.87	5.84	5.21	3.28	3.18	3.77
CV	7.50	12.93	14.72	19.02	17.18	11.67	11.90	14.50

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 39, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	27.6	28.1	26.7	24.9	24.7	24.7	0.0	0.0
12	25.0	27.0	26.0	0.0	0.0	0.0	0.0	0.0
13	27.8	27.3	26.2	25.4	16.1	0.0	0.0	0.0
14	28.1	28.4	25.1	0.0	0.0	0.0	0.0	0.0
15	29.1	28.8	29.3	29.0	24.4	25.6	0.0	0.0
16	26.9	27.4	27.8	0.0	0.0	0.0	0.0	0.0
17	28.2	27.5	26.3	23.2	22.7	26.3	17.5	17.5
18	30.4	29.7	28.7	25.8	19.1	0.0	0.0	0.0
19	27.7	27.1	26.4	24.4	16.6	22.2	12.9	13.4
20	30.3	28.0	28.2	0.0	0.0	0.0	0.0	0.0
21	25.6	28.7	28.7	27.7	27.3	0.0	0.0	0.0
22	28.6	28.4	27.3	26.3	24.8	0.0	0.0	0.0
23	27.3	27.6	26.1	26.7	22.7	25.3	17.1	13.1
24	26.7	28.5	28.1	27.6	27.2	0.0	0.0	0.0
25	28.1	26.8	23.5	21.25	13.7	0.0	0.0	0.0
26	24.9	25.5	0.0	0.0	0.0	0.0	0.0	0.0
27	30.2	29.8	27.0	24.8	22.7	21.3	13.8	12.9
28	30.4	29.9	24.2	20.7	26.1	0.0	0.0	0.0
29	31.5	30.7	30.8	26.6	21.0	26.8	16.3	14.1
30	27.3	26.6	26.1	0.0	0.0	0.0	0.0	0.0
31	30.5	28.6	25.4	25.6	16.8	28.4	0.0	0.0
32	33.1	34.0F	33.45	0.0	0.0	0.0	0.0	0.0
33	34.5S	32.05	33.35	30.85	30.0	0.0	0.0	0.0
34	32.6	32.25F	32.1	30.0	0.0	0.0	0.0	0.0
35	35.1F	35.4F	36.2F	35.8F	30.7A	33.1F	0.0	0.0
36	26.1	26.4	0.0	0.0	0.0	0.0	0.0	0.0
37	32.3	30.4	0.0	0.0	0.0	0.0	0.0	0.0
38	31.2	29.8	0.0	0.0	0.0	0.0	0.0	0.0
39	25.1	28.1	0.0	0.0	0.0	0.0	0.0	0.0
40	27.9	27.8	0.0	0.0	0.0	0.0	0.0	0.0
41	30.7	24.6	0.0	0.0	0.0	0.0	0.0	0.0
42	30.2	24.7	0.0	0.0	0.0	0.0	0.0	0.0
43	32.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0
44	27.4	28.4	0.0	0.0	0.0	0.0	0.0	0.0
45	23.6	25.3	0.0	0.0	0.0	0.0	0.0	0.0
NUMODAL	NO	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	28.20	28.50	27.95	26.30	22.70	25.60	16.30	13.40
MEAN	28.95	28.84	28.39	26.62	22.74	25.97	15.52	14.20
NOBS	35.00	35.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	2.83	2.18	2.44	3.21	4.96	3.46	2.05	1.90
CV	9.84	7.54	10.35	12.07	21.82	13.32	13.22	13.38

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	28.15	28.40	27.80	26.05	22.70	25.45	16.30	13.40
MEAN	28.77	28.54	28.05	26.04	22.74	25.07	15.52	14.20
NOBS	34.00	33.00	23.00	16.00	17.00	8.00	5.00	5.00
SD	2.68	1.67	2.48	2.24	4.96	2.35	2.05	1.90
CV	9.31	5.83	8.83	8.62	21.42	9.35	13.22	13.38

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	28.10	28.40	27.30	25.70	22.70	25.45	16.30	13.40
MEAN	28.60	28.31	27.55	26.05	22.74	25.07	15.52	14.20
NOBS	33.00	31.00	21.00	14.00	17.00	8.00	5.00	5.00
SD	2.52	1.43	1.92	1.51	4.96	2.35	2.05	1.90
CV	8.81	5.07	6.98	5.76	21.82	9.35	13.22	13.38

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1976 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 40, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	31.7	23.3	19.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	28.2	22.1	18.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	26.1	17.9	15.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	26.8	19.4	14.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	27.5	21.9	17.9
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	27.50	21.90	17.90
MEAN	0.0	0.0	0.0	0.0	0.0	28.06	20.92	17.24
NUMS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	2.18	2.20	2.20
CV	0.0	0.0	0.0	0.0	0.0	7.77	10.54	12.74

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	0.0	0.0	0.0	0.0	0.0	27.50	21.90	17.90
MEAN	0.0	0.0	0.0	0.0	0.0	28.06	20.92	17.24
NUMS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	2.18	2.20	2.20
CV	0.0	0.0	0.0	0.0	0.0	7.77	10.54	12.74

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	0.0	0.0	0.0	0.0	0.0	27.50	21.90	17.90
MEAN	0.0	0.0	0.0	0.0	0.0	28.06	20.92	17.24
NUMS	0.0	0.0	0.0	0.0	0.0	5.00	5.00	5.00
SD	0.0	0.0	0.0	0.0	0.0	2.18	2.20	2.20
CV	0.0	0.0	0.0	0.0	0.0	7.77	10.54	12.74

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 43, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	30.9	30.1	29.6	27.6	14.9 A	26.8	19.5	19.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	31.2	30.3	30.7	40.5 A	21.6	28.0	20.2	20.9
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	25.8	27.7	27.5	25.7	26.1	23.8	23.3	21.6
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	24.2	26.4	24.9	24.4	22.7	23.8	21.3	18.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	32.2	31.4	30.9	26.9	24.9	24.4	26.0	20.2
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	NO	SKEW	NO	SKEW	NO	NO

FIRST ITERATION								
MODE	30.90	30.10	29.60	26.90	22.70	24.40	21.30	20.20
MEAN	30.66	29.28	28.72	29.02	22.04	25.36	22.06	20.04
NUMS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.18	1.90	2.53	6.53	4.37	1.93	2.63	1.32
CV	3.86	6.47	8.80	22.51	19.81	7.59	11.92	6.57

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	30.90	30.10	29.60	26.90	22.70	24.40	21.30	20.20
MEAN	30.66	29.28	28.72	29.02	22.04	25.36	22.06	20.04
NUMS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.18	1.90	2.53	6.53	4.37	1.93	2.63	1.32
CV	3.86	6.47	8.80	22.51	19.81	7.59	11.92	6.57

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	30.90	30.10	29.60	26.90	22.70	24.40	21.30	20.20
MEAN	30.66	29.28	28.72	29.02	22.04	25.36	22.06	20.04
NUMS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.18	1.90	2.53	6.53	4.37	1.93	2.63	1.32
CV	3.86	6.47	8.80	22.51	19.81	7.59	11.92	6.57

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 44, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	5-9	9-15	15-30	30-45
1	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
2	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
3	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
4	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
5	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
6	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
7	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
8	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
9	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
10	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
11	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
12	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
13	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
14	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
15	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
16	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
17	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
18	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
19	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
20	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
21	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
22	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
23	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
24	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
25	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
26	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
27	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
28	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
29	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
30	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
31	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
32	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
33	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
34	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
35	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
36	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
37	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
38	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
39	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
40	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
41	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
42	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
43	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
44	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
45	22.00	22.00	22.00	22.00	22.00	23.00	21.75	21.75	21.75
HI 400AL	NO	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	23.00	22.70	22.25	21.80	19.90	16.20	8.20	9.50
MEAN	23.26	22.66	22.64	21.75	18.85	16.87	9.56	10.20
NOBS	35.00	35.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	3.22	2.40	2.35	2.07	3.76	4.28	2.62	2.75
CV	13.83	10.61	10.54	9.53	19.93	25.37	27.39	26.95

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	22.50	22.50	22.20	21.80	19.85	16.20	8.20	9.50
MEAN	23.24	22.63	22.03	22.08	19.39	16.87	9.56	10.20
NOBS	33.00	33.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	2.85	1.96	1.40	1.60	3.12	4.28	2.62	2.75
CV	12.25	8.66	6.36	7.24	16.11	25.37	27.39	26.95

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	22.50	22.50	22.20	21.80	19.85	16.20	8.20	9.50
MEAN	23.24	22.63	22.03	22.32	19.39	16.87	9.56	10.20
NOBS	33.00	33.00	23.00	15.00	16.00	9.00	5.00	5.00
SD	2.85	1.96	1.40	1.33	3.12	4.28	2.62	2.75
CV	12.25	8.66	6.36	5.94	16.11	25.37	27.39	26.95

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	22.2	22.2	21.9	21.4	12.5	21.4	0.0	0.0
12	25.7	25.4	24.5	0.0	0.0	0.0	0.0	0.0
13	30.9S	28.7	27.15	24.5	10.5	0.0	0.0	0.0
14	24.8	27.4	24.4	0.0	0.0	0.0	0.0	0.0
15	27.0	26.5	25.3	25.0	13.7	17.9	0.0	0.0
16	19.8F	20.4F	18.2F	0.0	0.0	0.0	0.0	0.0
17	23.1	24.2	23.7	20.9	11.4	17.4	14.0	10.4
18	28.3	27.1	20.8	23.1	11.1	0.0	0.0	0.0
19	26.2	24.1	22.6	20.6	9.4	21.5	9.4	11.5
20	24.8	23.7	22.4	0.0	0.0	0.0	0.0	0.0
21	24.6	24.7	24.6	23.3	12.7	0.0	0.0	0.0
22	23.5	23.3	23.4	22.0	10.8	0.0	0.0	0.0
23	26.5	31.3F	25.0	22.8	12.2	8.2	14.5	18.3A
24	27.4	26.7	25.7	22.5	6.6S	0.0	0.0	0.0
25	27.0	26.9	24.2	20.2	8.4	0.0	0.0	0.0
26	25.4	23.4	23.5	0.0	0.0	0.0	0.0	0.0
27	25.7	25.8	24.5	23.9	15.5F	16.4	11.9	12.1
28	26.6	26.3	25.1	23.6	10.2F	0.0	0.0	0.0
29	23.5	23.1	21.4	14.9	9.2	11.6	9.8	11.0
30	27.6	25.0	22.8	0.0	0.0	0.0	0.0	0.0
31	0.0	24.1	20.4	17.8F	7.9	16.7	0.0	0.0
32	23.8	22.5	23.2	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	23.0	22.8	22.2	0.0	0.0	0.0	0.0	0.0
35	25.1	24.8	23.5	22.2	11.9	20.0	0.0	0.0
36	27.3	28.8	0.0	0.0	0.0	0.0	0.0	0.0
37	26.9	25.5	0.0	0.0	0.0	0.0	0.0	0.0
38	24.4	27.2	0.0	0.0	0.0	0.0	0.0	0.0
39	25.5	24.6	0.0	0.0	0.0	0.0	0.0	0.0
40	27.2	25.3	0.0	0.0	0.0	0.0	0.0	0.0
41	27.4	23.5	0.0	0.0	0.0	0.0	0.0	0.0
42	26.4	23.1	0.0	0.0	0.0	0.0	0.0	0.0
43	28.8	26.7	0.0	0.0	0.0	0.0	0.0	0.0
44	31.7F	28.7	0.0	0.0	0.0	0.0	0.0	0.0
45	25.6	24.6	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	SKREW

FIRST ITERATION

MODE	26.50	25.15	23.50	22.35	10.95	17.40	11.90	11.50
MEAN	26.16	25.41	23.39	22.11	10.87	16.79	11.92	12.66
NOHS	33.00	34.00	24.00	16.00	16.00	9.00	5.00	5.00
SD	2.55	2.36	1.89	1.90	2.27	4.42	2.34	3.21
CV	9.74	9.28	8.07	8.58	20.88	26.32	19.60	25.39

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	26.40	24.90	23.50	22.20	10.80	17.40	11.90	11.50
MEAN	26.18	25.38	23.61	22.39	10.57	16.79	11.92	12.66
NOHS	31.00	32.00	23.00	15.00	15.00	9.00	5.00	5.00
SD	2.13	2.00	1.57	1.56	1.97	4.42	2.34	3.21
CV	8.14	7.87	6.63	6.97	18.67	26.32	19.60	25.39

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	26.40	24.90	23.45	22.20	10.85	17.40	11.90	11.50
MEAN	26.03	25.38	23.45	22.39	10.85	16.79	11.92	12.66
NOHS	30.00	32.00	22.00	15.00	14.00	9.00	5.00	5.00
SD	1.94	2.00	1.40	1.56	1.70	4.42	2.34	3.21
CV	7.60	7.87	5.97	6.97	15.68	26.32	19.60	25.39

A ANOMOLOUS POINT (SUBJECTIVE)

C - 3

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 47, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.2	26.7	27.0	25.0	22.2	14.9	0.0	0.0
12	27.0	26.6	26.9	0.0	0.0	0.0	0.0	0.0
13	29.9	29.2	25.5	22.7	20.6	0.0	0.0	0.0
14	31.6	28.6	27.3	0.0	0.0	0.0	0.0	0.0
15	30.1	28.0	28.4	25.2	19.5	21.2	0.0	0.0
16	27.6	25.9	24.3	0.0	0.0	0.0	0.0	0.0
17	28.1	26.5	24.8	25.8	11.2F	22.5	17.3	10.5
18	29.9	26.3	26.6	24.7	15.8S	0.0	0.0	0.0
19	28.3	27.2	26.6	24.9	18.1	22.8	18.6	19.1
20	35.4F	25.7	24.4	0.0	0.0	0.0	0.0	0.0
21	26.1	25.6	25.1	25.1	19.1	0.0	0.0	0.0
22	30.5	26.7	25.0	23.3	23.0	0.0	0.0	0.0
23	27.1	25.3	24.4	23.1	22.4	21.0	11.3	11.5
24	32.1	30.5F	28.4	27.7S	23.7	0.0	0.0	0.0
25	27.9	26.7	25.7	24.6	18.5	0.0	0.0	0.0
26	25.8	0.0	24.6	0.0	0.0	0.0	0.0	0.0
27	25.9	24.6S	28.7	25.6F	22.9	19.9	17.3	16.5
28	25.2	25.4	25.9	25.5	23.2	0.0	0.0	0.0
29	25.3	25.7	24.7	24.5	18.9	19.1	13.0	11.3
30	29.1	27.6	28.5	0.0	0.0	0.0	0.0	0.0
31	29.9	27.7	28.5	26.3	21.7	21.3	0.0	0.0
32	33.4S	29.1	27.8	0.0	0.0	0.0	0.0	0.0
33	29.5	25.1	28.8	26.4	24.3	0.0	0.0	0.0
34	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	27.9	27.3	20.1F	26.3	20.7	20.2	0.0	0.0
36	30.3	27.5	0.0	0.0	0.0	0.0	0.0	0.0
37	27.8	28.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	25.4	23.2F	0.0	0.0	0.0	0.0	0.0	0.0
40	28.6	27.7	0.0	0.0	0.0	0.0	0.0	0.0
41	26.7	25.3	0.0	0.0	0.0	0.0	0.0	0.0
42	25.0	27.1	0.0	0.0	0.0	0.0	0.0	0.0
43	24.0	28.2	0.0	0.0	0.0	0.0	0.0	0.0
44	25.7	26.2	0.0	0.0	0.0	0.0	0.0	0.0
45	32.2	29.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION								
MODE	28.15	26.90	26.20	25.10	20.70	21.00	17.30	11.80
MEAN	28.53	27.07	26.11	25.28	20.34	20.88	15.50	13.88
NOBS	34.00	32.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	2.49	1.52	2.01	1.53	3.31	1.23	3.16	3.73
CV	8.72	5.62	7.69	6.06	16.25	5.90	20.40	26.74

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	28.10	26.70	25.90	25.05	20.65	21.00	17.30	11.80
MEAN	28.32	27.08	26.37	25.07	20.91	20.88	15.50	13.88
NOBS	33.00	30.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	2.20	1.25	1.58	1.31	2.40	1.23	3.16	3.73
CV	7.78	4.61	6.00	5.23	11.49	5.90	20.40	26.84

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	28.00	26.70	25.90	25.00	20.60	21.00	17.30	11.80
MEAN	28.17	27.00	26.37	24.84	21.25	20.88	15.50	13.88
NOBS	32.00	24.00	23.00	15.00	15.00	9.00	5.00	5.00
SD	2.04	1.17	1.58	1.15	2.05	1.23	3.16	3.73
CV	7.24	4.35	6.00	4.61	9.64	5.90	20.40	26.84

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	34.5	32.4	0.0	0.0	0.0	0.0	0.0	0.0
12	31.0	31.3	35.2	0.0	0.0	0.0	0.0	0.0
13	30.1	29.4	29.1	29.8	22.4	0.0	0.0	0.0
14	26.4	27.1	27.5	0.0	0.0	0.0	0.0	0.0
15	29.2	30.3	32.7	28.8	28.8	17.2	0.0	0.0
16	33.8	27.7	27.0	0.0	0.0	0.0	0.0	0.0
17	26.9	24.1	23.8	23.7	22.4	26.5	25.3	24.2
18	38.3 A	31.5	31.0	29.3	27.3	0.0	0.0	0.0
19	31.6	31.1	27.0	28.4	27.8	25.4	25.5	23.7
20	30.5	30.1	29.2	0.0	0.0	0.0	0.0	0.0
21	30.5	28.0	28.8	29.0	28.0	0.0	0.0	0.0
22	26.8	25.7	26.7	25.5	25.7	0.0	0.0	0.0
23	39.0 A	34.3 F	31.7	30.1	30.3	27.1	28.8	24.4 A
24	27.7	27.5	21.4	29.1	25.9	0.0	0.0	0.0
25	26.7	27.5	24.5	26.8	23.3	0.0	0.0	0.0
26	27.4	26.7	26.0	0.0	0.0	0.0	0.0	0.0
27	13.5 F	20.7 F	20.4	18.5 F	10.8 F	0.0	3.3 A	21.2
28	23.3	24.0	22.8	14.4 F	21.8	0.0	0.0	0.0
29	18.2 S	22.7	21.8	20.7	20.2	15.8	18.4	17.3
30	26.4	23.9	29.9	0.0	0.0	0.0	0.0	0.0
31	32.1	32.2	32.1	30.1	28.2	2.2 F	0.0	0.0
32	34.5	32.6	31.8	0.0	0.0	0.0	0.0	0.0
33	20.8	24.8	24.4	28.2	27.9	0.0	0.0	0.0
34	25.3	25.2	26.6	0.0	0.0	0.0	0.0	0.0
35	32.4	33.5	32.1	26.7	29.5	24.6	0.0	0.0
36	38.1	30.4	0.0	0.0	0.0	0.0	0.0	0.0
37	31.0	24.4	0.0	0.0	0.0	0.0	0.0	0.0
38	14.9	26.0	0.0	0.0	0.0	0.0	0.0	0.0
39	24.1	23.5	0.0	0.0	0.0	0.0	0.0	0.0
40	26.2	23.4	0.0	0.0	0.0	0.0	0.0	0.0
41	24.6	26.1	0.0	0.0	0.0	0.0	0.0	0.0
42	29.1	28.2	0.0	0.0	0.0	0.0	0.0	0.0
43	27.2	27.0	0.0	0.0	0.0	0.0	0.0	0.0
44	17.8	23.5	0.0	0.0	0.0	0.0	0.0	0.0
45	21.1	27.4	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	27.70	28.20	28.95	28.40	25.95	24.60	25.30	21.20
MEAN	28.05	28.27	28.10	28.07	24.13	20.26	19.86	17.86
NOBS	35.00	35.00	24.00	18.00	16.00	7.00	5.00	5.00
SD	5.94	3.37	3.90	4.84	4.80	5.84	9.82	8.80
CV	21.17	11.42	13.87	18.70	19.25	43.63	49.46	49.26

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	27.45	28.00	28.95	28.20	25.90	21.70	25.30	21.20
MEAN	28.49	28.24	28.10	28.85	25.87	23.27	19.86	17.86
NOBS	34.00	33.00	24.00	15.00	15.00	6.00	5.00	5.00
SD	5.45	2.95	3.90	3.89	3.08	4.20	9.82	8.80
CV	19.14	10.44	13.87	14.47	11.90	18.06	49.46	49.26

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	27.20	28.00	28.95	27.45	25.90	21.70	25.30	21.20
MEAN	28.86	28.29	28.10	27.54	25.87	23.27	19.86	17.86
NOBS	33.00	33.00	24.00	14.00	15.00	6.00	5.00	5.00
SD	5.08	2.95	3.90	2.73	3.08	4.20	9.82	8.80
CV	17.60	10.44	13.87	9.88	11.90	18.06	49.46	49.26

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	21.1	24.4	24.3	22.4	23.3	51.9	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	21.10	24.40	24.30	22.40	23.30	51.90	0.0	0.0
MEAN	21.10	24.40	24.30	22.40	23.30	51.90	0.0	0.0
NOBS	1.00	1.00	1.00	1.00	1.00	1.00	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 52, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	22.7	23.8	25.4	25.1	20.0	18.5	0.0	0.0
12	24.3	20.0	24.4	20.0	20.0	0.0	0.0	0.0
13	21.8	23.8	24.6	24.5	22.3	0.0	0.0	0.0
14	18.1	21.5S	22.7	0.0	0.0	0.0	0.0	0.0
15	23.3	24.5	24.5	26.2	23.4	19.4	0.0	0.0
16	16.4	23.4	24.6	20.0	0.0	0.0	0.0	0.0
17	20.7	24.1	24.8	23.3	18.6	15.3	18.0	18.4
18	22.2	29.7F	20.4F	24.5	19.3	0.0	0.0	0.0
19	23.4	26.5	25.2	23.5	21.1	15.5	21.2	20.7
20	23.4	23.7	24.4	20.0	0.0	0.0	0.0	0.0
21	25.3	23.0	25.1	24.4	23.1	0.0	0.0	0.0
22	22.2F	23.5	23.7	22.9	20.3	0.0	0.0	0.0
23	17.1	25.3	25.3	25.6	15.8	18.6	18.7	15.8
24	13.1	22.4	23.5	21.3	20.2	0.0	0.0	0.0
25	24.4	23.6	26.8S	25.3	22.2	0.0	0.0	0.0
26	13.6	23.8	23.7	0.0	0.0	0.0	0.0	0.0
27	15.6	18.5F	21.5S	21.1	15.2	18.3	19.0	19.5
28	18.6	23.0	24.7	24.7	18.1	0.0	0.0	0.0
29	18.5	23.7	24.3	23.4	23.8	18.2	18.0	17.6
30	15.7	23.3	24.5	0.0	0.0	0.0	0.0	0.0
31	19.4	25.1	24.3	23.0	23.0	22.9F	0.0	0.0
32	17.4	23.3	22.5	0.0	0.0	0.0	0.0	0.0
33	21.5	23.3	22.2	22.0	20.4	0.0	0.0	0.0
34	20.2	24.7	25.8	0.0	0.0	0.0	0.0	0.0
35	18.5	21.4S	23.2	23.3	18.5	18.0	0.0	0.0
36	22.8	23.4	0.0	0.0	0.0	0.0	0.0	0.0
37	20.6	25.1	0.0	0.0	0.0	0.0	0.0	0.0
38	25.7	28.8F	0.0	0.0	0.0	0.0	0.0	0.0
39	18.1	25.7F	0.0	0.0	0.0	0.0	0.0	0.0
40	17.4	25.0	0.0	0.0	0.0	0.0	0.0	0.0
41	20.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0
42	18.4	25.3	0.0	0.0	0.0	0.0	0.0	0.0
43	19.4	24.2	0.0	0.0	0.0	0.0	0.0	0.0
44	14.4	25.3	0.0	0.0	0.0	0.0	0.0	0.0
45	26.6	27.8S	0.0	0.0	0.0	0.0	0.0	0.0
BIOMODAL	NO	NO	SKEN	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	20.20	24.15	24.50	23.50	20.30	18.30	18.70	18.40
MEAN	21.13	24.40	24.15	23.76	20.31	17.55	19.02	18.40
NOBS	35.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	4.80	2.05	1.34	1.45	2.59	2.43	1.32	1.36
CV	22.71	8.39	5.70	6.11	12.77	13.61	6.94	10.13

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	20.05	24.00	24.50	23.50	20.30	17.25	18.70	18.40
MEAN	20.51	24.34	24.24	23.76	20.31	17.22	19.02	18.40
NOBS	34.00	31.00	24.00	17.00	17.00	8.00	5.00	5.00
SD	3.14	1.37	1.22	1.45	2.59	1.63	1.32	1.36
CV	15.32	5.64	5.04	6.11	12.77	9.47	6.94	10.13

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	20.05	23.85	24.45	23.50	20.30	17.25	18.70	18.40
MEAN	20.51	24.42	24.30	23.76	20.31	17.22	19.02	18.40
NOBS	34.00	28.00	22.00	17.00	17.00	8.00	5.00	5.00
SD	3.14	1.01	0.93	1.45	2.59	1.63	1.32	1.36
CV	15.32	4.15	4.05	6.11	12.77	9.47	6.94	10.13

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 53, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	30.4	27.5	27.9	25.4	15.1	22.6	0.0	0.0
12	27.4	27.2	27.1	0.0	0.0	0.0	0.0	0.0
13	26.1	28.2	27.4	24.8	19.4	0.0	0.0	0.0
14	24.6	29.2	28.2	0.0	0.0	0.0	0.0	0.0
15	30.4	28.1	26.8	25.4	18.7	23.8	0.0	0.0
16	32.4F	28.4	27.7	0.0	0.0	0.0	0.0	0.0
17	27.5	25.6	27.5	27.2	25.8	20.9	17.3	2.3A
18	25.4	23.1F	25.2	24.6	16.3	0.0	0.0	0.0
19	28.4	28.1	27.8	24.8	17.7	25.3	17.8	15.2
20	26.4	27.1	27.5	0.0	0.0	0.0	0.0	0.0
21	27.9	26.7	27.4	25.6	24.8	0.0	0.0	0.0
22	27.3	27.1	25.9	0.0	19.3	0.0	0.0	0.0
23	24.1S	24.4S	24.4F	23.7	21.6	21.6	15.9	13.8
24	24.8	27.0	27.3	24.7	22.5	0.0	0.0	0.0
25	29.0	30.5F	28.6	27.4	20.2	0.0	0.0	0.0
26	27.5	27.0	26.3	0.0	0.0	0.0	0.0	0.0
27	28.0	27.4	26.2	26.4	22.4	22.4	13.4	12.5
28	23.5F	24.7	25.0	23.8	15.6	0.0	0.0	0.0
29	27.1	28.0	26.4	24.6	21.5	23.2	14.8	13.5
30	28.1	27.0	27.1	0.0	0.0	0.0	0.0	0.0
31	25.4	25.6	25.1	24.5	14.6	22.3	0.0	0.0
32	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	28.5	28.8	28.9	26.4	22.8	0.0	0.0	0.0
34	28.3	27.4	25.8	0.0	0.0	0.0	0.0	0.0
35	29.4	29.5	28.3	25.0	23.2	25.3	0.0	0.0
36	25.8	26.0	0.0	0.0	0.0	0.0	0.0	0.0
37	28.4	27.2	0.0	0.0	0.0	0.0	0.0	0.0
38	28.2	27.7	0.0	0.0	0.0	0.0	0.0	0.0
39	27.1	28.0	0.0	0.0	0.0	0.0	0.0	0.0
40	26.8	26.3	0.0	0.0	0.0	0.0	0.0	0.0
41	29.2	27.1	0.0	0.0	0.0	0.0	0.0	0.0
42	23.7S	22.0F	0.0	0.0	0.0	0.0	0.0	0.0
43	26.0	24.6	0.0	0.0	0.0	0.0	0.0	0.0
44	25.5	26.0	0.0	0.0	0.0	0.0	0.0	0.0
45	30.9	29.4	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	27.50	27.10	27.10	25.00	20.20	22.60	15.90	13.50
MEAN	27.67	28.21	26.42	25.34	20.42	23.04	15.80	11.56
NOBS	33.00	34.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	1.01	1.70	1.15	1.11	3.11	1.53	1.75	4.94
CV	7.27	6.54	4.28	4.39	15.22	6.62	11.08	43.18

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	27.50	27.00	27.10	25.00	20.20	22.60	15.90	13.50
MEAN	27.67	27.08	27.03	25.34	20.42	23.04	15.80	11.56
NOBS	33.00	31.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	1.75	1.24	1.04	1.11	3.11	1.53	1.75	4.94
CV	6.32	4.76	3.86	4.39	15.22	6.62	11.08	43.18

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	27.50	27.00	27.10	25.00	20.20	22.60	15.90	13.50
MEAN	27.92	27.17	27.03	25.34	20.42	23.04	15.80	11.56
NOBS	31.00	30.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	1.50	1.21	1.04	1.11	3.11	1.53	1.75	4.94
CV	5.37	4.46	3.86	4.39	15.22	6.62	11.08	43.18

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 54, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	22.3	22.1	20.0	17.0	19.6	19.1	0.0	0.0
12	25.3	23.7	20.1	0.0	0.0	0.0	0.0	0.0
13	33.3	31.5	26.7	26.8	26.1	0.0	0.0	0.0
14	34.5	32.1	20.5	0.0	0.0	0.0	0.0	0.0
15	22.1	24.2	22.3	21.3	20.4	21.4	0.0	0.0
16	26.5	24.7	25.4	0.0	0.0	0.0	0.0	0.0
17	38.2	23.4	34.2	25.4	27.2	29.0	25.2	23.1
18	30.2	31.4	24.7	31.0	26.4	0.0	0.0	0.0
19	21.4	0.0	22.2	23.2	21.0	21.6	20.4	19.3
20	21.4	25.7	24.2	0.0	0.0	0.0	0.0	0.0
21	17.0	20.4	18.5	14.0	17.5	0.0	0.0	0.0
22	22.5	21.5	17.5	18.7	18.7	0.0	0.0	0.0
23	21.4	25.1	23.4	27.0	24.4	21.4	14.6	14.0
24	14.65	20.4	20.4	13.8	0.0	0.0	0.0	0.0
25	30.7	27.1	25.3	23.7	23.1	0.0	0.0	0.0
26	37.9F	38.4F	35.2F	0.0	0.0	0.0	0.0	0.0
27	22.4	25.0	25.5	20.2	26.5	20.5	0.0	18.4
28	19.3	21.4	20.5	18.2	32.2	0.0	0.0	0.0
29	31.7	33.45	33.5	29.7	24.8	28.0	25.5	21.3
30	30.6	31.2	31.2	0.0	0.0	0.0	0.0	0.0
31	20.5	26.1	26.4	26.8	26.5	17.2	0.0	0.0
32	27.2	25.0	26.7	0.0	0.0	0.0	0.0	0.0
33	25.6	23.5	23.2	21.4	14.5	0.0	0.0	0.0
34	29.1	27.0	31.4	0.0	0.0	0.0	0.0	0.0
35	28.6	27.0	28.3	28.5	24.3	28.0	0.0	0.0
36	29.4	27.1	0.0	0.0	0.0	0.0	0.0	0.0
37	26.4	27.2	0.0	0.0	0.0	0.0	0.0	0.0
38	14.8	22.1	0.0	0.0	0.0	0.0	0.0	0.0
39	27.0	27.3	0.0	0.0	0.0	0.0	0.0	0.0
40	24.5	23.7	0.0	0.0	0.0	0.0	0.0	0.0
41	22.5	24.2	0.0	0.0	0.0	0.0	0.0	0.0
42	18.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0
43	26.2	24.0	0.0	0.0	0.0	0.0	0.0	0.0
44	20.4	23.2	0.0	0.0	0.0	0.0	0.0	0.0
45	20.5	21.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	YES	NO	YES	YES	YES

FIRST ITERATION								
MODE	25.20	24.85	25.30	23.70	24.35	21.40	23.05	19.30
MEAN	25.74	25.75	25.46	23.04	23.98	22.91	22.80	20.22
NOHS	35.00	34.00	25.00	17.00	16.00	9.00	4.00	5.00
SD	5.70	4.11	5.18	5.44	4.19	4.30	2.44	1.44
CV	22.12	15.45	20.35	23.61	17.47	18.78	13.13	9.61

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	25.60	24.70	25.05	23.70	24.35	21.40	23.05	19.30
MEAN	25.04	25.36	25.01	23.04	23.98	22.91	22.80	20.22
NOHS	33.00	33.00	24.00	17.00	16.00	9.00	4.00	5.00
SD	4.66	3.50	4.77	5.44	4.19	4.30	2.44	1.44
CV	19.80	13.79	19.08	23.61	17.47	18.78	13.13	9.61

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	25.45	24.45	25.05	23.70	24.35	21.40	23.05	19.30
MEAN	25.37	25.11	25.01	23.04	23.98	22.91	22.80	20.22
NOHS	32.00	32.00	24.00	17.00	16.00	9.00	4.00	5.00
SD	4.66	3.24	4.77	5.44	4.19	4.30	2.99	1.44
CV	18.38	12.89	19.08	23.61	17.47	18.78	13.13	9.61

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 203, FIELD NUMBER 55, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	33.7	32.9	2-5	27.4	25.1	21.4	0.0	0.0
12	27.1	28.1	5-9	0.0	0.0	0.0	0.0	0.0
13	32.6	30.4	9-15	32.2	28.8	0.0	0.0	0.0
14	41.4	29.7	15-21	0.0	0.0	0.0	0.0	0.0
15	33.4	32.7	21-27	28.0	28.0	31.4 ^F	0.0	0.0
16	34.3 ^F	35.6 ^A	27-33	0.0	0.0	0.0	0.0	0.0
17	25.7	25.4	33-39	24.4	23.7	25.0	18.6	11.4
18	27.0	25.8	39-45	23.3	12.4 ^F	0.0	0.0	0.0
19	34.9 ^F	38.2	45-51	31.4	31.5 ^F	25.0	13.4	11.4
20	32.5	32.3	51-57	0.0	0.0	0.0	0.0	0.0
21	24.6	27.4	57-63	0.0	27.8	0.0	0.0	0.0
22	26.4	26.0	63-69	25.3	25.5	0.0	0.0	0.0
23	33.6	28.3	69-75	26.7	23.6	22.5	13.3	12.0
24	24.3	24.0	75-81	27.1	27.4	0.0	0.0	0.0
25	31.4	31.8	81-87	32.8	27.5	0.0	0.0	0.0
26	27.6	51.3 ^B	87-93	0.0	0.0	0.0	0.0	0.0
27	28.4	28.3	93-99	29.2	20.9	20.4	13.4	11.4
28	28.0	28.5	99-105	26.3	28.3	0.0	0.0	0.0
29	30.4	24.4	105-111	31.6	27.4	24.4	14.2	13.2
30	30.1	30.4	111-117	25.4 ^F	0.0	0.0	0.0	0.0
31	24.4	0.0	117-123	24.5	26.7	23.8	0.0	0.0
32	26.1	26.5	123-129	26.7	0.0	0.0	0.0	0.0
33	26.0	26.5	129-135	24.7	23.6	0.0	0.0	0.0
34	30.1	31.0	135-141	29.4	28.0	0.0	0.0	0.0
35	27.0	27.4	141-147	26.0	23.8	0.0	0.0	0.0
36	26.6	26.2	147-153	0.0	0.0	0.0	0.0	0.0
37	26.2	26.4	153-159	0.0	0.0	0.0	0.0	0.0
38	30.0	34.1 ^A	159-165	0.0	0.0	0.0	0.0	0.0
39	31.0	32.0	165-171	0.0	0.0	0.0	0.0	0.0
40	33.4	35.4 ^F	171-177	0.0	0.0	0.0	0.0	0.0
41	24.4	24.4	177-183	0.0	0.0	0.0	0.0	0.0
42	0.0	25.4	183-189	0.0	0.0	0.0	0.0	0.0
43	30.4	31.1	189-195	0.0	0.0	0.0	0.0	0.0
44	24.4	24.6	195-201	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	201-207	0.0	0.0	0.0	0.0	0.0
BI-MODAL	NO	NO	SKEW	SKEW	NO	NO	SKEW	NO

FIRST ITERATION

MODE	29.80	29.00	28.90	27.25	25.50	24.35	13.90	11.40
MEAN	29.43	31.41	30.40	27.50	25.28	24.36	15.68	11.88
NOBS	33.00	33.00	25.00	16.00	17.00	8.00	5.00	5.00
SD	4.50	10.47	5.48	2.78	4.22	3.28	2.96	0.76
CV	12.04	34.35	27.24	10.12	16.64	13.45	18.85	6.59

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	29.60	28.95	28.90	27.25	25.30	23.80	13.90	11.40
MEAN	29.30	30.22	28.88	27.50	26.04	23.36	15.68	11.88
NOBS	31.00	32.00	24.00	16.00	16.00	7.00	5.00	5.00
SD	2.68	5.21	3.14	2.78	2.69	1.76	2.96	0.76
CV	9.15	17.24	10.86	10.12	10.31	7.53	18.85	6.59

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	29.60	28.90	28.40	27.25	25.10	23.80	13.90	11.40
MEAN	29.30	29.54	28.15	27.50	25.71	23.36	15.68	11.88
NOBS	31.00	31.00	22.00	16.00	15.00	7.00	5.00	5.00
SD	2.68	3.57	1.97	2.78	2.30	1.76	2.96	0.76
CV	9.15	12.09	7.00	10.12	8.93	7.53	18.85	6.59

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 1, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	24.0	23.5	24.6	27.1	23.0	0.0	0.0	0.0
23	22.0	22.9	24.4	25.5	23.0	17.6	16.4	0.0
24	17.9	20.7	24.5	25.6	24.3	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	22.3	24.3	25.2	24.7	24.7	16.0	16.3	33.4 A
28	17.6	19.6	22.0	24.7	21.9	0.0	0.0	0.0
29	17.5	19.5	18.4	18.6	19.2	20.5	86.6 A	13.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	31.45	30.95	28.9	21.5	24.0	0.0	0.0	0.0
33	23.8	23.7	25.9	21.5	24.0	0.0	0.0	0.0
34	16.8	21.8	25.7	27.2	26.0	24.8	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	SKEW	NO	NO	SKEW	NO

FIRST ITERATION								
MODE	19.95	22.35	24.50	24.70	24.30	19.05	16.40	25.95
MEAN	19.62	21.20	23.95	24.24	23.41	19.72	39.77	25.95
NOBS	10.00	10.00	10.00	8.00	7.00	4.00	3.00	2.00
SD	7.53	6.53	2.94	2.89	2.28	3.86	40.56	11.24
CV	38.38	30.79	12.27	11.94	9.75	19.58	101.99	43.33

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	17.90	21.80	24.50	24.70	24.30	19.05	16.40	25.95
MEAN	21.52	22.99	23.95	24.24	23.41	19.72	39.77	25.95
NOBS	9.00	9.00	10.00	8.00	7.00	4.00	3.00	2.00
SD	4.81	3.45	2.94	2.89	2.28	3.86	40.56	11.24
CV	22.33	15.02	12.27	11.94	9.75	19.58	101.99	43.33

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	17.75	21.25	24.50	24.70	24.30	19.05	16.40	25.95
MEAN	20.24	22.00	23.95	24.24	23.41	19.72	39.77	25.95
NOBS	8.00	8.00	10.00	8.00	7.00	4.00	3.00	2.00
SD	3.07	1.89	2.94	2.89	2.28	3.86	40.56	11.24
CV	15.17	8.59	12.27	11.94	9.75	19.58	101.99	43.33

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 2, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
1	0.0	66.4F	43.9F	43.75	16.3	31.6A	0.0	0.0
2	14.0	15.6	17.4	0.0	0.0	0.0	0.0	0.0
3	20.2	21.6	23.1	22.2	24.8	0.0	0.0	0.0
4	27.9	26.7	27.2	0.0	0.0	0.0	0.0	0.0
5	25.9	26.5	27.0	27.2	27.7	0.0	0.0	0.0
6	23.2	22.9	23.7	0.0	0.0	0.0	0.0	0.0
7	23.3	23.8	24.3	20.1	24.5	23.4	22.3	18.2
8	20.5	23.2	22.7	24.5	24.2	0.0	0.0	0.0
9	20.0	21.0	22.0	23.0	25.3	26.4	23.7	24.8
10	17.8	19.1	19.9	0.0	0.0	0.0	0.0	0.0
11	29.7	29.3	29.3	29.9	28.4	0.0	0.0	0.0
12	15.3	15.6	17.0	17.3	16.0	0.0	0.0	0.0
13	22.9	23.4	25.2	25.1	24.1	22.7	23.1	19.3
14	11.4	18.3	18.8	20.2	21.2	0.0	0.0	0.0
15	23.3	23.5	23.8	24.1	24.1	0.0	0.0	0.0
16	10.8	21.0	21.7	0.0	0.0	0.0	0.0	0.0
17	15.7	19.0	20.3	65.2F	21.7	17.5	21.1	20.9
18	14.2	12.7S	41.3S	23.0	23.8	0.0	0.0	0.0
19	13.0	18.6	20.0	22.1	25.0	25.7	22.0	18.3
20	9.6	21.0	23.8	0.0	0.0	0.0	0.0	0.0
21	13.3	14.5	17.7	17.9	19.0	19.0	0.0	0.0
22	12.3	16.4	16.4	0.0	0.0	0.0	0.0	0.0
23	14.1	18.1	17.6	18.0	19.4	0.0	0.0	0.0
24	22.1	22.7	21.2	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	24.3	24.3	24.2	24.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	YES	NO	NO	SKEW	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	18.90	21.60	22.70	23.00	24.10	23.75	22.30	19.30
MEAN	18.76	22.23	25.64	26.34	22.92	23.80	22.44	20.30
NOBS	24.00	25.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	5.51	10.58	14.91	11.71	3.53	4.40	1.00	2.74
CV	29.39	47.60	58.16	44.47	15.41	18.48	4.47	13.50

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	18.90	21.30	22.35	23.00	24.10	23.75	22.30	19.30
MEAN	18.76	20.39	22.84	23.91	22.92	23.80	22.44	20.30
NOBS	24.00	24.00	24.00	16.00	17.00	8.00	5.00	5.00
SD	5.51	5.33	5.22	6.28	3.53	4.40	1.00	2.74
CV	29.39	26.15	22.86	26.25	15.41	18.48	4.47	13.50

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	18.90	21.00	22.00	23.00	24.10	23.75	22.30	19.30
MEAN	18.76	21.16	22.05	22.59	22.92	23.80	22.44	20.30
NOBS	24.00	23.00	23.00	15.00	17.00	8.00	5.00	5.00
SD	5.51	3.86	3.39	3.52	3.53	4.40	1.00	2.74
CV	29.39	18.23	16.26	15.58	15.41	18.48	4.47	13.50

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	24.5	24.7	2-5	28.7	24.3	34.1	0.0	0.0
12	24.3	24.2	5-9	28.9	26.0	0.0	0.0	0.0
13	30.5	30.5	9-15	30.95	24.6	0.0	0.0	0.0
14	30.3	34.4F	2-5	29.0	0.0	0.0	0.0	0.0
15	26.1	25.4	5-9	25.4	4.3F	27.7	0.0	0.0
16	16.05	19.1	9-15	21.7	0.0	0.0	0.0	0.0
17	24.4	28.8	2-5	27.1	21.6	31.7	25.0	20.2
18	27.3	28.0	5-9	25.0	25.5	0.0	0.0	0.0
19	25.3	28.7	9-15	24.6	22.0	27.7	25.2	26.5
20	27.5	41.5F	2-5	25.5	0.0	0.0	0.0	0.0
21	18.8	23.1	5-9	23.1	21.4	0.0	0.0	0.0
22	20.1	20.0	9-15	22.0	22.2	0.0	0.0	0.0
23	18.0	14.2	2-5	24.0F	20.0	19.5	21.0	22.4
24	23.1	25.4	5-9	25.1	24.8	0.0	0.0	0.0
25	13.4F	21.0	9-15	22.3	24.4	0.0	0.0	0.0
26	26.0	26.0	2-5	26.4	0.0	0.0	0.0	0.0
27	23.1	26.1	5-9	26.5	24.1	23.5	24.0	20.4
28	23.0	23.4	9-15	25.3	23.3	0.0	0.0	0.0
29	22.9	25.7	2-5	23.3	22.4	4.0F	22.4	18.6
30	21.4	21.3	5-9	25.5	0.0	0.0	0.0	0.0
31	17.5	17.25	9-15	17.25	16.75	15.2	0.0	0.0
32	25.4	25.0	2-5	25.0	26.0	0.0	0.0	0.0
33	23.7	27.0	5-9	26.4	22.8	0.0	0.0	0.0
34	24.5	26.0	9-15	27.0	0.0	0.0	0.0	0.0
35	22.4	23.3	2-5	24.2	23.7	22.2	0.0	0.0
36	27.4	24.0	5-9	0.0	0.0	0.0	0.0	0.0
37	26.1	25.7	9-15	0.0	0.0	0.0	0.0	0.0
38	26.1	24.0	2-5	0.0	0.0	0.0	0.0	0.0
39	27.0	26.5	5-9	0.0	0.0	0.0	0.0	0.0
40	27.7	26.4	9-15	0.0	0.0	0.0	0.0	0.0
41	29.3	14.1	2-5	0.0	0.0	0.0	0.0	0.0
42	33.3	27.4	5-9	0.0	0.0	0.0	0.0	0.0
43	27.9	27.1	9-15	0.0	0.0	0.0	0.0	0.0
44	21.4	0.0	2-5	0.0	0.0	0.0	0.0	0.0
45	33.3	31.4	5-9	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	SKEW	NO

FIRST ITERATION

MODE	25.40	26.30	25.50	25.10	22.90	23.56	24.00	20.80
MEAN	24.75	26.15	24.81	24.45	22.53	23.77	23.52	21.70
NOBS	35.00	34.00	25.00	17.00	16.00	8.00	5.00	5.00
SD	4.72	5.09	4.64	3.23	4.81	5.20	1.74	3.01
CV	19.04	19.47	18.71	13.02	20.48	20.25	7.62	13.86

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	25.35	26.05	25.45	25.05	22.85	22.65	24.00	20.80
MEAN	25.10	25.26	25.55	25.35	23.36	25.21	23.52	21.70
NOBS	34.00	32.00	24.00	16.00	16.00	8.00	5.00	5.00
SD	4.39	3.83	2.82	2.54	3.21	6.24	1.74	3.01
CV	17.47	14.55	11.03	10.02	13.75	24.96	7.62	13.86

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	25.30	26.00	25.40	24.65	22.80	22.85	24.00	20.80
MEAN	25.35	25.52	25.84	25.37	23.83	25.21	23.52	21.70
NOBS	33.00	31.00	23.00	14.00	15.00	8.00	5.00	5.00
SD	4.14	3.42	2.34	1.59	2.87	6.24	1.74	3.01
CV	16.33	13.42	9.02	6.28	11.21	24.96	7.62	13.86

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220. FIELD NUMBER 4. CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.3	1.7	5.6	8.0	13.00	5.3	0.0	0.0
12	1.5	2.3	5.3	0.0	0.0	0.0	0.0	0.0
13	1.4	2.4	6.5	8.1	10.2	0.0	0.0	0.0
14	1.3	0.0	4.6	0.0	0.0	0.0	0.0	0.0
15	1.6	1.3	3.8	6.9	9.5	6.9	0.0	0.0
16	2.2	1.5	3.4	0.0	0.0	0.0	0.0	0.0
17	0.0	0.8	3.0	6.7	8.0	7.2	9.6	8.4
18	1.0	1.4	8.8	7.8	7.7	0.0	0.0	0.0
19	1.3	0.3	1.0	4.2	9.0	6.3	11.4	10.7
20	0.3	1.0	3.3	0.0	0.0	0.0	0.0	0.0
21	0.0	7.4	4.3	8.4	18.3	0.0	0.0	0.0
22	2.5	4.4	7.4	9.7	16.5	0.0	0.0	0.0
23	3.1	5.3	7.8	10.4	13.0	10.7	16.4	15.1
24	2.0	5.3	8.5	11.6	15.2	0.0	0.0	0.0
25	1.5	1.6	6.1	8.6	8.3	0.0	0.0	0.0
26	1.1	6.1	8.8	0.0	0.0	0.0	0.0	0.0
27	2.8	4.0	6.6	4.7	13.5	4.4	4.3	10.8
28	2.6	2.9	4.9	6.4	8.0	0.0	0.0	0.0
29	2.2	3.1	4.7	9.5	11.1	7.0	12.7	8.7
30	3.1	3.5	6.1	0.0	10.0	0.0	0.0	0.0
31	4.4	5.1	7.7	10.9	16.9	13.5	0.0	0.0
32	3.5	3.4	6.4	0.0	0.0	0.0	0.0	0.0
33	4.0	5.0	7.4	11.2	14.8	0.0	0.0	0.0
34	4.6	6.0	9.6	0.0	0.0	0.0	0.0	0.0
35	5.2	6.3	9.1	12.6	14.5	13.5	0.0	0.0
36	0.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
37	0.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0
38	1.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0
39	4.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0
40	5.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0
41	4.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0
42	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
43	3.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
44	1.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
45	3.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	YES	NO	NO	NO	NO	NO	YES

FIRST ITERATION

MODE	2.20	3.70	6.10	8.70	13.00	7.20	11.40	10.70
MEAN	2.50	3.71	6.10	8.88	12.50	8.92	11.98	11.94
NOBS	33.00	34.00	24.00	16.00	17.00	9.00	5.00	5.00
SD	1.46	1.97	2.20	2.15	3.91	3.01	3.08	3.81
CV	57.36	52.90	36.02	24.30	31.29	33.78	25.70	31.94

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.20	3.50	6.10	8.75	13.00	7.20	11.40	10.70
MEAN	2.50	3.59	6.31	9.17	12.50	8.92	11.98	11.94
NOBS	33.00	33.00	24.00	16.00	17.00	9.00	5.00	5.00
SD	1.46	1.85	1.96	1.85	3.91	3.01	3.08	3.81
CV	57.36	51.59	31.13	20.15	31.29	33.78	25.70	31.94

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.20	3.50	6.10	8.75	13.00	7.20	11.40	10.70
MEAN	2.50	3.59	6.31	9.17	12.50	8.92	11.98	11.94
NOBS	33.00	33.00	24.00	16.00	17.00	9.00	5.00	5.00
SD	1.46	1.85	1.96	1.85	3.91	3.01	3.08	3.81
CV	57.36	51.59	31.13	20.15	31.29	33.78	25.70	31.94

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	7.5	8.8	8.5	8.9	9.0	7.9	0.0	0.0
12	7.6	8.0	8.8	0.0	0.0	0.0	0.0	0.0
13	7.8	6.4	8.6	0.0	10.0	0.0	0.0	0.0
14	1.4	6.2	4.1	0.0	0.0	0.0	0.0	0.0
15	4.2	6.7	7.1	7.5	7.7	9.3	0.0	0.0
16	2.4	3.6	5.5	0.0	0.0	0.0	0.0	0.0
17	4.9	5.8	7.7	8.7	8.9	4.0	11.7	4.0
18	3.3	5.1	7.0	7.1	8.7	0.0	0.0	0.0
19	2.5	0.0	8.0	7.0	8.6	7.5	0.0	7.7
20	7.2	4.3	8.5	0.0	0.0	0.0	0.0	0.0
21	6.5	9.2	9.9	9.2	10.0	0.0	0.0	0.0
22	7.4	11.4	11.8	12.3	13.1	0.0	0.0	0.0
23	11.2	10.8	12.4	0.0	0.0	10.1	10.7	0.0
24	11.4	12.7	12.3	11.5	12.1	0.0	0.0	0.0
25	1.4	3.2	0.0	9.7	12.1	0.0	0.0	0.0
26	2.7	4.9	3.8	0.0	0.0	0.0	0.0	0.0
27	5.5	8.6	9.2	0.0	10.0	10.8	0.0	0.0
28	0.2	4.4	11.5	12.1	12.2	0.0	0.0	0.0
29	14.4	15.3	14.6	14.5	15.6	9.2	15.4	4.4
30	11.0	10.6	11.0	0.0	0.0	0.0	0.0	0.0
31	3.8	6.6	8.4	8.9	8.2	6.0	0.0	0.0
32	5.4	0.0	14.0	0.0	0.0	0.0	0.0	0.0
33	5.1	7.6	8.6	4.2	9.9	0.0	0.0	0.0
34	5.5	4.7	9.3	0.0	0.0	0.0	0.0	0.0
35	5.7	10.4	11.5	11.4	10.1	12.5	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	5.50	8.30	8.60	9.20	10.15	9.20	11.70	4.00
MEAN	5.12	8.24	9.00	9.27	10.46	9.14	12.60	8.70
NOBS	23.00	24.00	24.00	15.00	16.00	9.00	3.00	3.00
SD	3.24	2.92	2.87	3.26	2.10	1.91	2.48	0.34
CV	53.71	35.47	31.80	35.20	20.09	20.86	19.65	10.22

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.50	8.00	8.60	9.05	10.10	9.20	11.70	4.00
MEAN	5.77	7.93	9.29	9.91	10.11	7.14	12.60	8.70
NOBS	24.00	23.00	23.00	14.00	15.00	9.00	3.00	3.00
SD	2.86	2.56	2.56	2.16	1.65	1.91	2.48	0.89
CV	49.50	32.30	27.52	21.83	16.29	20.86	19.65	10.22

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL MODE	5.50	8.00	8.50	8.90	10.10	9.20	11.70	4.00
FINAL MEAN	5.51	7.93	9.29	9.56	10.11	9.14	12.60	8.70
FINAL NOBS	23.00	23.00	21.00	13.00	15.00	9.00	3.00	3.00
FINAL SD	2.61	2.56	2.11	1.79	1.65	1.91	2.48	0.89
FINAL CV	47.37	32.30	22.66	18.66	16.29	20.86	19.65	10.22

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	0.0	12.7	12.9F	16.7	34.0S	7.4A	0.0	0.0
12	11.7	18.3	20.9	0.0	0.0	0.0	0.0	0.0
13	16.2	20.1	20.4	21.1	0.0	0.0	0.0	0.0
14	10.0	19.7	21.2	0.0	0.0	0.0	0.0	0.0
15	14.3	17.5	21.0	21.1	22.1	21.2	0.0	0.0
16	0.0	17.6	19.5	0.0	0.0	0.0	0.0	0.0
17	3.2	10.6	12.5F	20.8	21.0	0.0	0.0	0.0
18	13.2	14.7	19.7	4.4F	39.8F	0.0	0.0	0.0
19	5.6	12.2	16.6	20.0	20.9	22.7	23.7	13.7
20	4.5	17.0	18.7	0.0	0.0	0.0	0.0	0.0
21	4.7	12.7	19.7	20.9	23.7	0.0	0.0	0.0
22	7.8	13.1	18.3	13.5S	13.7A	0.0	0.0	0.0
23	5.1	12.6	19.9	20.6	19.0	11.9A	0.0	16.6
24	8.3	14.9	17.8	22.7	23.4	0.0	0.0	0.0
25	4.4	14.4	19.9	20.8	19.9	0.0	0.0	0.0
26	12.7	17.4	21.5	0.0	0.0	0.0	0.0	0.0
27	15.4	12.6	19.0	21.2	21.5	16.4	22.2	22.7
28	12.3	18.9	16.2	30.2F	21.4	0.0	0.0	0.0
29	11.0	11.5	16.4	17.3	19.7	18.4	22.9	23.0
30	2.1	11.2	18.1	0.0	0.0	0.0	0.0	0.0
31	12.5	18.3	23.2	13.8	22.0	19.7	0.0	0.0
32	15.0	20.1	20.9	0.0	0.0	0.0	0.0	0.0
33	11.9	13.2	15.4S	18.6	19.9	0.0	0.0	0.0
34	13.4	20.2	21.5	0.0	0.0	0.0	0.0	0.0
35	6.8	11.5	19.2	14.3	22.1	21.2	0.0	0.0
36	10.3	14.3	0.0	0.0	0.0	0.0	0.0	0.0
37	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	11.8	17.8	0.0	0.0	0.0	0.0	0.0	0.0
39	15.5	16.0	0.0	0.0	0.0	0.0	0.0	0.0
40	17.0	19.5	0.0	0.0	0.0	0.0	0.0	0.0
41	12.7	18.8	0.0	0.0	0.0	0.0	0.0	0.0
42	10.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0
43	18.8	20.5	0.0	0.0	0.0	0.0	0.0	0.0
44	5.3	14.7	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	NO	YES	NO	NO	SKEW	SKEW	SKEW	NO

FIRST ITERATION

MODE	10.15	17.00	19.50	20.60	21.45	19.05	22.90	19.65
MEAN	9.89	16.00	18.80	19.00	22.76	17.36	22.93	19.00
NOBS	32.00	33.00	25.00	17.00	16.00	8.00	3.00	4.00
SU	4.82	3.22	2.62	5.28	6.06	5.27	0.75	4.60
CV	48.71	20.11	13.95	27.77	26.64	30.36	3.27	24.22

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	10.15	17.00	19.20	20.00	21.40	19.05	22.90	19.65
MEAN	9.89	16.00	19.33	19.23	21.62	17.36	22.93	19.00
NOBS	32.00	33.00	23.00	15.00	15.00	8.00	3.00	4.00
SU	4.82	3.22	1.96	2.75	4.15	5.27	0.75	4.60
CV	48.71	20.11	10.12	14.31	19.21	30.36	3.27	24.22

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	10.15	17.00	19.10	19.65	21.20	19.05	22.90	19.65
MEAN	9.89	16.00	19.51	19.64	20.74	17.36	22.93	19.00
NOBS	32.00	33.00	22.00	14.00	14.00	8.00	3.00	4.00
SU	4.82	3.22	1.80	2.33	2.44	5.27	0.75	4.60
CV	48.71	20.11	9.22	11.89	11.76	30.36	3.27	24.22

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 7, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.8	5.7	10.1	11.1	10.3	8.7	0.0	0.0
12	5.7	8.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	5.1	8.0	7.2	10.5	0.0	0.0	0.0
14	3.8	6.0	7.8	0.0	0.0	0.0	0.0	0.0
15	5.3	6.9	11.1	12.05	11.6	0.0	0.0	0.0
16	0.0	8.1	9.3	0.0	0.0	0.0	0.0	0.0
17	5.0	9.0	9.5	9.0	9.5	9.5	9.9	10.2
18	4.5	0.0	10.7	10.3	9.4	0.0	0.0	0.0
19	0.05	16.5F	16.55	15.6F	16.7F	11.5	15.8	20.3A
20	3.9	7.6	10.6	0.0	0.0	0.0	0.0	0.0
21	3.6	6.3	8.1	8.8	9.8	0.0	0.0	0.0
22	3.4	6.0	9.9	7.8	8.6	0.0	0.0	0.0
23	3.3	3.7	4.05	6.7	7.6	8.1	9.8	14.1
24	4.2	6.4	13.6	9.1	8.3	0.0	0.0	0.0
25	3.6	4.6	6.1	7.0	8.4	0.0	0.0	0.0
26	5.1	9.8	10.0	0.0	0.0	0.0	0.0	0.0
27	4.8	6.6	7.7	8.8	8.1	8.4	10.4	11.3
28	5.2	8.9	11.0	9.2	8.7	0.0	0.0	0.0
29	5.9	7.5	8.8	8.8	9.8	8.0	11.0	10.6
30	10.0F	3.3	22.8F	0.0	0.0	0.0	0.0	0.0
31	3.6	6.0	8.1	7.6	7.5	11.6	0.0	0.0
32	5.4	6.4	11.2	0.0	0.0	0.0	0.0	0.0
33	4.7	13.15	14.0	14.7F	12.25	0.0	0.0	0.0
34	6.75	9.8	9.4	0.0	0.0	0.0	0.0	0.0
35	6.4	7.9	9.4	10.2	8.2	7.4	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	SKW	NO	NO	SKW	NO	SKW	SKW	NO

FIRST ITERATION								
MODE	4.80	6.75	9.70	9.00	9.40	8.55	10.40	11.30
MEAN	5.31	7.47	10.32	9.64	9.72	9.15	11.38	13.30
NOBS	23.00	24.00	24.00	17.00	17.00	8.00	5.00	5.00
SD	2.12	2.67	3.67	2.52	2.24	1.60	2.52	4.20
CV	39.89	38.41	35.72	26.15	23.00	17.48	22.11	31.57

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	4.75	6.60	9.50	8.80	9.05	8.55	10.40	11.30
MEAN	5.01	7.07	9.78	8.91	9.28	9.15	11.38	13.30
NOBS	22.00	23.00	23.00	15.00	16.00	8.00	5.00	5.00
SD	1.57	2.17	2.61	1.52	1.37	1.60	2.52	4.20
CV	31.44	30.74	26.71	17.11	14.75	17.48	22.11	31.57

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	4.65	6.50	9.40	8.80	8.70	8.55	10.40	11.30
MEAN	4.62	6.80	9.73	8.69	9.09	9.15	11.38	13.30
NOBS	20.00	22.00	21.00	14.00	15.00	8.00	5.00	5.00
SD	1.02	1.77	1.89	1.31	1.17	1.60	2.52	4.20
CV	21.95	26.08	19.42	15.06	12.83	17.48	22.11	31.57

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.1	8.3	4.9	10.2F	9.1	10.0	0.0	0.0
12	4.1	7.4	4.2	0.0	0.0	0.0	0.0	0.0
13	4.7	5.4	6.3	5.0S	6.4	0.0	0.0	0.0
14	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	2.2	0.0	0.0	6.8	6.8	8.2	0.0	0.0
16	2.8	10.0	8.5	0.0	0.0	0.0	0.0	0.0
17	2.0	7.0	7.5	8.3	9.6	8.9	10.3	10.5
18	0.0S	0.0	7.6	9.2S	8.3	0.0	10.0	10.0
19	1.1	0.0	7.6	8.0	8.4	8.7	10.2	10.5
20	3.5	0.0	5.4	0.0	0.0	0.0	0.0	0.0
21	1.4F	0.0	5.5	0.0	7.1	0.0	0.0	0.0
22	4.1	0.0	6.4	6.9	2.2F	0.0	0.0	0.0
23	3.8	0.0	6.7	6.9	6.9	8.1	8.4	8.2
24	0.0	0.0	7.2	7.5	4.6	0.0	0.0	0.0
25	0.0	0.0	7.1	0.0	6.5	0.0	0.0	0.0
26	0.0	0.0	4.9	7.9	0.0	0.0	0.0	0.0
27	0.0	0.0	7.1	7.9	6.5	5.8	7.4	8.1
28	0.0	0.0	4.9	7.1	8.6	0.0	0.0	0.0
29	0.0	0.0	7.0	6.5	7.3	5.6	8.5	9.1
30	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	7.3	6.3	9.3	8.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0
34	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	4.9	6.4	6.7	6.3	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167	0.0	0.0	0.0	0.				

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 9, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.2	7.5	15.0	18.5	19.5	13.2	0.0	0.0
12	3.9	10.0	14.7	0.0	0.0	0.0	0.0	0.0
13	12.4F	3.5	7.1F	17.5	18.0	0.0	0.0	0.0
14	12.3F	12.4	20.8	0.0	0.0	0.0	0.0	0.0
15	6.4	4.8	16.4	20.7	18.1	17.6	0.0	0.0
16	4.1	17.0	17.3	0.0	0.0	0.0	0.0	0.0
17	10.4S	14.4	18.1	14.9	20.0	12.9	13.7	46.7A
18	7.5	14.1	23.4S	21.0	21.3	0.0	0.0	0.0
19	3.4	7.3	13.4	17.9	18.9	4.4	9.7	19.2
20	4.1	14.7	17.4	0.0	0.0	0.0	0.0	0.0
21	3.0	6.8	16.5	11.5F	19.5	0.0	0.0	0.0
22	7.1	12.4	18.3	19.2	20.2	0.0	0.0	0.0
23	7.1	13.0	18.0	21.3	22.4	16.5	13.4	22.1
24	3.2	9.0	17.7	19.7	20.4	0.0	0.0	0.0
25	3.6	10.2	13.2	14.7	18.8	0.0	0.0	0.0
26	3.7	4.4	5.6F	0.0	0.0	0.0	0.0	0.0
27	7.3	12.0	20.4	21.8	22.9	2.3A	17.4	14.3
28	5.6	6.3	15.2	19.5	19.2	0.0	0.0	0.0
29	6.5	5.0	19.1	20.9	22.0	22.9	13.2	23.1
30	7.1	9.1	14.7	0.0	0.0	0.0	0.0	0.0
31	4.6	3.4	11.6	15.5	18.7	17.7	0.0	0.0
32	4.7	5.4	11.6	0.0	0.0	0.0	0.0	0.0
33	3.4	5.2	10.2	13.0	18.5	0.0	0.0	0.0
34	7.5	13.9	15.3	0.0	0.0	0.0	0.0	0.0
35	3.2	8.8	18.9	22.2	21.7	19.7	0.0	0.0
36	2.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0
37	3.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0
38	3.2	12.7	0.0	0.0	0.0	0.0	0.0	0.0
39	3.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0
40	4.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
41	6.7	18.1	0.0	0.0	0.0	0.0	0.0	0.0
42	3.2	13.3	0.0	0.0	0.0	0.0	0.0	0.0
43	3.5	8.4	0.0	0.0	0.0	0.0	0.0	0.0
44	4.6	17.2	0.0	0.0	0.0	0.0	0.0	0.0
45	3.3	9.4	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	SKEW	NO	NO	SKEW	SKEW	NO	NO	SKEW

FIRST ITERATION

MODE	4.10	9.90	16.40	19.50	19.50	16.50	13.40	22.10
MEAN	5.30	10.13	15.63	18.44	20.06	14.13	13.48	25.08
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.61	3.47	4.17	3.15	1.01	6.85	2.73	12.56
CV	49.28	39.00	26.70	17.00	8.03	48.46	20.24	50.08

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.10	9.90	15.30	19.35	19.50	16.50	13.40	22.10
MEAN	4.88	10.18	16.44	18.87	20.06	14.13	13.48	25.08
NOBS	33.00	35.00	23.00	16.00	17.00	9.00	5.00	5.00
SD	1.99	3.47	3.23	2.67	1.01	6.85	2.73	12.56
CV	40.83	39.00	19.66	14.17	8.03	48.46	20.24	50.08

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.00	9.90	15.25	19.35	19.50	16.50	13.40	22.10
MEAN	4.70	10.18	16.12	18.87	20.06	14.13	13.48	25.08
NOBS	32.00	35.00	22.00	16.00	17.00	9.00	5.00	5.00
SD	1.75	3.47	2.42	2.67	1.01	6.85	2.73	12.56
CV	37.29	39.00	18.12	14.17	8.03	48.46	20.24	50.08

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.8	5.9	10.8	15.9	2.0F	5.0	0.0	0.0
12	3.4	6.4	11.6	0.0	0.0	0.0	0.0	0.0
13	5.35	16.15	16.1	52.7F	18.8	0.0	0.0	0.0
14	2.1	3.8	14.1	0.0	0.0	0.0	0.0	0.0
15	4.5	5.5	10.0	14.5	14.5	11.6	0.0	0.0
16	2.6	4.1	8.4	0.0	0.0	0.0	0.0	0.0
17	2.8	4.3	11.7	15.2	16.5	9.5	17.8	18.4
18	2.1F	13.35	12.3	14.4	15.2	0.0	0.0	0.0
19	2.5	2.8	15.6	11.2	13.1	7.4	10.6	15.1
20	1.7	3.6	4.7	0.0	0.0	0.0	0.0	0.0
21	2.4	4.9	8.8	10.8	11.4	0.0	0.0	0.0
22	2.0	5.7	15.8	8.8	9.7	0.0	0.0	0.0
23	2.2	5.1	3.0	8.5	9.4	0.0	11.6	12.7
24	2.2	3.1	3.9	5.7	9.1	0.0	0.0	0.0
25	2.2	2.4	4.1	7.9	9.7	0.0	0.0	0.0
26	2.2	5.0	9.3	0.0	0.0	0.0	0.0	0.0
27	3.5	8.2	10.1	10.6	11.7	10.6	14.8	16.4
28	10.3F	14.25	47.7F	15.4	17.4	0.0	0.0	0.0
29	0.0	15.0F	18.7	18.4	17.1	17.7	13.1	11.5
30	3.0	7.7	12.2	0.0	0.0	0.0	0.0	0.0
31	2.1	4.0	20.75	8.5	10.0	8.0	0.0	0.0
32	3.5	6.7	8.5	0.0	0.0	0.0	0.0	0.0
33	3.7	4.5	8.3	8.6	9.5	0.0	0.0	0.0
34	3.2	10.0	15.3	0.0	0.0	0.0	0.0	0.0
35	3.3	5.8	8.4	12.3	16.7	13.3	0.0	0.0
36	1.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
38	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	2.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0
40	2.3F	16.0F	0.0	0.0	0.0	0.0	0.0	0.0
41	4.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0
42	5.45	6.7	0.0	0.0	0.0	0.0	0.0	0.0
43	1.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0
44	2.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0
45	2.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	5.85	5.85	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	2.80	5.40	10.80	11.20	11.70	10.05	13.10	15.10
MEAN	3.54	6.66	12.40	14.11	12.46	10.39	13.58	14.82
NOBS	34.00	34.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	2.09	4.05	8.64	10.55	4.29	3.43	2.84	2.78
CV	59.08	60.85	69.65	74.77	34.42	37.80	20.93	18.76

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.80	5.20	10.45	11.00	11.55	10.05	13.10	15.10
MEAN	2.99	6.09	10.93	11.70	13.11	10.39	13.58	14.82
NOBS	31.00	32.00	24.00	16.00	16.00	8.00	5.00	5.00
SD	1.09	3.42	4.63	3.64	3.45	3.93	2.84	2.78
CV	35.53	56.21	42.39	31.14	26.28	37.80	20.93	18.76

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.70	4.40	10.10	11.00	11.55	10.05	13.10	15.10
MEAN	2.81	5.28	10.51	11.70	13.11	10.39	13.58	14.82
NOBS	24.00	24.00	23.00	16.00	16.00	8.00	5.00	5.00
SD	0.84	2.41	4.23	3.64	3.45	3.93	2.84	2.78
CV	31.27	45.55	40.29	31.14	26.28	37.80	20.93	18.76

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.5	5.0	5.8	8.8	11.4	11.4	0.0	0.0
12	3.6	5.4	9.8	0.0	0.0	0.0	0.0	0.0
13	5.3	7.8	10.2	14.2	17.65	0.0	0.0	0.0
14	3.4	6.7	8.1	0.0	0.0	0.0	0.0	0.0
15	4.1	3.2	4.8F	6.9	11.5	9.8	0.0	0.0
16	4.0	7.3	7.8	0.0	0.0	0.0	0.0	0.0
17	5.2	6.9	0.0	11.7	11.8	7.0	12.6	13.8
18	5.5	6.0	11.8	13.9	12.6	0.0	0.0	0.0
19	5.7	11.35	13.0	12.7	15.6	11.4	15.7	13.3
20	0.0	4.5	8.1	0.0	0.0	0.0	0.0	0.0
21	6.0	8.6	9.1	11.6	13.0	0.0	0.0	0.0
22	5.1	6.7	9.1	9.0	10.9	0.0	0.0	0.0
23	4.2	5.7	8.3	12.7	16.0	15.6	12.7	13.6
24	2.3	4.7	7.7	10.1	9.5	0.0	0.0	0.0
25	3.3	5.8	10.1	24.2F	12.4	0.0	0.0	0.0
26	3.4	5.8	10.9	0.0	0.0	0.0	0.0	0.0
27	4.35	12.2F	11.8	18.25	18.6F	15.4	16.4	14.2
28	3.45	10.85	11.0	11.4	10.8	0.0	0.0	0.0
29	12.4F	13.3F	14.25	14.0	14.0	11.4	13.2	15.2
30	3.3	7.8	10.2	0.0	0.0	0.0	0.0	0.0
31	5.5	7.8	12.2	11.2	13.4	11.0	0.0	0.0
32	3.5	5.5	7.6	0.0	0.0	0.0	0.0	0.0
33	4.4	4.1	11.5	12.4	15.1	0.0	0.0	0.0
34	3.4	6.1	6.8	0.0	0.0	0.0	0.0	0.0
35	3.6	5.5	0.0	10.6	12.4	13.6	0.0	0.0
36	3.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0
37	4.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
38	3.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0
39	6.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0
40	4.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0
41	3.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0
42	3.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0
43	5.2	7.3	0.0	0.0	0.0	0.0	0.0	0.0
44	4.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
45	10.6F	10.75	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	NO	SKEN	SKEN	NO

FIRST ITERATION

MODE	4.15	6.60	9.80	11.70	12.80	11.40	13.20	13.80
MEAN	4.97	7.09	9.59	12.59	13.34	11.84	14.12	14.02
NOBS	34.00	35.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	2.30	2.29	2.34	3.93	2.50	2.71	1.79	0.74
CV	46.14	32.55	24.37	31.23	16.77	22.89	12.70	5.25

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.10	6.40	9.75	11.65	12.60	11.40	13.20	13.80
MEAN	4.55	6.75	9.80	11.87	13.01	11.84	14.12	14.02
NOBS	32.00	33.00	22.00	16.00	16.00	9.00	5.00	5.00
SD	1.56	1.86	2.14	2.64	2.18	2.71	1.79	0.74
CV	34.29	27.53	21.82	22.24	16.72	22.89	12.70	5.25

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.05	6.25	9.70	11.60	12.40	11.40	13.20	13.80
MEAN	4.25	6.33	9.60	11.45	12.71	11.84	14.12	14.02
NOBS	30.00	30.00	21.00	15.00	15.00	9.00	5.00	5.00
SD	1.04	1.34	1.95	2.10	1.86	2.71	1.79	0.74
CV	24.48	21.24	20.30	18.34	14.66	22.89	12.70	5.25

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	26.8F	17.6	21.6	23.1	0.0	42.0F	0.0	0.0
12	13.05	13.1	15.0	0.0	0.0	0.0	0.0	0.0
13	9.0	10.9	17.0	17.5	18.5	0.0	0.0	0.0
14	7.3	15.3	18.7	0.0	0.0	0.0	0.0	0.0
15	6.2	12.0	15.6	22.6	23.4	15.9	0.0	0.0
16	6.3	16.8	14.8	0.0	0.0	0.0	0.0	0.0
17	8.3	7.3	10.15	12.2	17.5	18.1	19.5	15.4
18	2.1	9.9	16.6	22.0	23.4	0.0	0.0	0.0
19	2.3	11.2	15.0	14.6	14.6	14.4	13.6	19.9
20	4.2	11.2	15.2	0.0	0.0	0.0	0.0	0.0
21	3.3	12.4	18.3	19.7	22.6	0.0	0.0	0.0
22	4.4	16.0	18.2	21.4	22.0	0.0	0.0	0.0
23	2.9	5.3	0.0	13.4	16.0	14.6	17.3	14.4
24	3.9	9.5	17.6	16.0	17.8	0.0	0.0	0.0
25	0.0	19.0	18.1	20.6	18.8	0.0	0.0	0.0
26	1.4	3.3	7.5F	0.0	0.0	0.0	0.0	0.0
27	7.3	18.6	18.2	20.2	20.3	16.9	22.2	16.3
28	4.6	6.6	13.9	17.7	20.4	0.0	0.0	0.0
29	4.5	16.1	19.4	21.2	23.6	20.5	17.4	18.2
30	3.0	14.0	20.0	0.0	0.0	0.0	0.0	0.0
31	9.0	14.7	20.3	21.4	21.7	18.6	0.0	0.0
32	2.6	6.7	12.3	0.0	0.0	0.0	0.0	0.0
33	3.5	10.0	12.2	16.2	18.4	0.0	0.0	0.0
34	3.5	6.1	17.2	0.0	0.0	0.0	0.0	0.0
35	15.9F	21.4F	22.4	21.9	21.5	18.4	0.0	0.0
36	3.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
37	4.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0
38	5.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0
39	2.1	9.3	0.0	0.0	0.0	0.0	0.0	0.0
40	2.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0
41	3.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0
42	3.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0
43	6.5	11.4	0.0	0.0	0.0	0.0	0.0	0.0
44	2.7	18.3	0.0	0.0	0.0	0.0	0.0	0.0
45	1.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	SKEW	NO	NO

FIRST ITERATION

MODE	4.55	11.10	17.10	20.20	20.35	18.40	17.40	16.30
MEAN	5.46	11.20	16.47	18.92	20.03	20.33	18.00	16.94
NOHS	34.00	35.00	24.00	17.00	16.00	8.00	5.00	5.00
SD	4.55	4.82	3.53	3.41	2.77	8.32	3.17	2.14
CV	82.84	43.01	21.46	18.00	13.81	40.92	17.59	12.62

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.45	11.00	17.00	20.20	20.35	18.25	17.40	16.30
MEAN	4.89	10.90	16.87	18.92	20.03	17.63	18.00	16.94
NOHS	32.00	34.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	2.59	4.55	3.04	3.41	2.77	1.91	3.17	2.14
CV	52.96	41.70	18.03	18.00	13.81	10.86	17.59	12.62

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.40	11.00	16.80	20.20	20.35	18.25	17.40	16.30
MEAN	4.63	10.90	17.17	18.92	20.03	17.63	18.00	16.94
NOHS	31.00	34.00	22.00	17.00	16.00	8.00	5.00	5.00
SD	2.16	4.55	2.72	3.41	2.77	1.91	3.17	2.14
CV	46.68	41.70	15.85	18.00	13.81	10.86	17.59	12.62

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.7	4.4	13.6	14.0	13.6	11.0	0.0	0.0
12	2.4	6.8	13.6	0.0	0.0	0.0	0.0	0.0
13	4.4	0.0	15.8	16.0	21.3	0.0	0.0	0.0
14	3.6	9.5	15.9	0.0	0.0	0.0	0.0	0.0
15	2.9	10.1	13.7	19.1	14.5	16.4	0.0	0.0
16	3.6	11.1	17.3	0.0	0.0	0.0	0.0	0.0
17	5.7	10.0	0.0	20.9	0.0	12.3	21.8	14.5
18	3.2	12.2	14.5	16.9	14.1	0.0	0.0	0.0
19	4.0	5.7	8.4	20.6	17.5	14.9	18.0	14.3
20	0.0	7.1	2.2 ^F	0.0	0.0	0.0	0.0	0.0
21	3.7	0.2	10.2	13.1	14.7	0.0	0.0	0.0
22	3.5	0.2	17.2	16.0	20.7	0.0	0.0	0.0
23	3.5 ^F	7.4	14.0	15.6	18.2	15.3	17.4	11.5
24	2.2	10.5 ^F	16.6	19.3	14.1	0.0	0.0	0.0
25	2.2	10.4	12.8	17.4	17.6	0.0	0.0	0.0
26	2.5	4.8	11.7	0.0	0.0	0.0	0.0	0.0
27	2.5	13.3	14.6	17.6	18.3	13.5	13.4	12.6
28	1.9	7.2	11.5	15.3	14.6	0.0	0.0	0.0
29	2.5	6.5	9.4	10.4 ^F	14.6	15.0	16.5	17.0
30	3.3	7.0	14.7	0.0	0.0	0.0	0.0	0.0
31	3.3	5.7	7.4	12.7	16.0	16.7	0.0	0.0
32	3.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	6.0	12.1	14.5	14.7	0.0	0.0	0.0
34	2.7	5.7	14.5	0.0	0.0	0.0	0.0	0.0
35	3.1	9.8	19.2	20.1	14.7	14.3	0.0	0.0
36	1.5	12.8	0.0	0.0	0.0	0.0	0.0	0.0
37	5.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
38	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
39	1.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
40	2.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0
41	3.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
42	3.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0
43	4.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0
44	3.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0
45	7.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	3.30	6.65	13.70	16.00	17.90	14.90	17.40	14.80
MEAN	4.10	6.42	12.84	16.44	17.45	14.43	17.52	14.88
NOHS	33.00	34.00	23.00	17.00	16.00	9.00	5.00	5.00
SD	2.43	3.58	3.84	2.98	2.45	1.93	2.86	2.93
CV	59.17	51.70	29.70	18.12	14.01	13.36	16.32	19.66

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	3.25	6.50	13.65	16.00	17.90	14.90	17.40	14.80
MEAN	3.81	6.64	13.37	16.82	17.45	14.43	17.52	14.88
NOHS	32.00	33.00	22.00	16.00	16.00	9.00	5.00	5.00
SD	1.77	3.37	3.12	2.62	2.45	1.93	2.86	2.93
CV	46.56	50.35	23.34	15.60	14.01	13.36	16.32	19.66

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	3.20	6.50	13.65	16.00	17.90	14.90	17.40	14.80
MEAN	3.37	6.64	13.37	16.82	17.45	14.43	17.52	14.88
NOHS	24.00	33.00	22.00	16.00	16.00	9.00	5.00	5.00
SD	1.17	3.37	3.12	2.62	2.45	1.93	2.86	2.93
CV	34.66	50.35	23.34	15.60	14.01	13.36	16.32	19.66

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	9.1	7.0	7.7	9.1	9.1	8.0	0.0	0.0
12	9.1	7.9	8.9	0.0	0.0	0.0	0.0	0.0
13	9.5	7.1	7.8	8.2	8.8	0.0	0.0	0.0
14	9.3	9.7	10.3	0.0	0.0	0.0	0.0	0.0
15	9.0	7.3	7.3	8.2	8.9	7.7	0.0	0.0
16	9.8	8.4	9.2	0.0	0.0	0.0	0.0	0.0
17	21.2F	19.0F	17.3S	20.0F	20.0F	11.1	9.6	9.5
18	8.6	10.2	11.2	11.5	12.1	12.1	0.0	0.0
19	9.4	7.5	8.5	9.2	10.0	7.8	8.4	8.3
20	9.9	8.6	9.8	0.0	0.0	0.0	0.0	0.0
21	9.8	8.5	11.8	11.6	10.8	0.0	0.0	0.0
22	9.7	9.8	11.2	10.1	9.6	0.0	0.0	0.0
23	9.3	8.8	12.2	13.0	12.0	10.0	8.0	8.4
24	9.4	8.5	9.1	9.5	10.6	0.0	0.0	0.0
25	9.6	8.5	7.5	9.1	9.1	0.0	0.0	0.0
26	9.5	12.7S	13.1	9.0	9.2	0.0	8.8	9.1
27	9.2	7.3	8.8	8.1	8.8	0.0	0.0	0.0
28	9.2	8.0	8.3	8.2	8.4	0.0	0.0	0.0
29	9.3	7.3	8.7	0.0	0.0	0.0	0.0	0.0
30	15.9F	22.5F	19.1S	18.1S	16.5S	18.8S	0.0	0.0
31	9.1	11.8	0.0	0.0	0.0	0.0	0.0	0.0
32	9.3	5.4	7.4	9.2	8.1	0.0	0.0	0.0
33	9.7	8.6	52.2F	0.0	0.0	0.0	0.0	0.0
34	11.4S	11.3	11.1	1.0F	5.5A	71.9F	0.0	0.0
35	9.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0
36	9.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0
37	9.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0
38	9.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
39	9.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0
40	9.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
41	9.7	19.3	0.0	0.0	0.0	0.0	0.0	0.0
42	8.8	12.1	0.0	0.0	0.0	0.0	0.0	0.0
43	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	SKEW	SKEW	NO	SKEW	NO	NO

FIRST ITERATION

MODE	6.10	8.45	9.25	9.20	9.40	9.00	8.80	8.80
MEAN	7.34	9.22	11.96	10.24	10.50	17.91	8.66	8.92
NOBS	34.00	34.00	24.00	17.00	17.00	8.00	5.00	5.00
SD	3.44	3.45	4.06	4.14	3.34	22.13	0.68	0.41
CV	46.96	37.44	75.72	40.43	31.78	123.53	7.81	4.58

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	6.00	8.20	9.20	9.20	9.30	8.00	8.80	8.80
MEAN	6.63	8.50	10.21	10.21	9.91	10.20	8.66	8.92
NOBS	32.00	32.00	23.00	15.00	16.00	7.00	5.00	5.00
SD	1.89	1.84	3.00	2.59	2.34	4.01	0.68	0.41
CV	28.44	21.64	29.35	25.34	23.64	39.32	7.81	4.58

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.90	8.00	9.10	9.15	9.20	8.00	8.80	8.80
MEAN	6.46	8.37	9.45	9.64	9.47	8.77	8.66	8.92
NOBS	31.00	31.00	21.00	14.00	15.00	6.00	5.00	5.00
SD	1.65	1.70	1.68	1.44	1.60	1.43	0.68	0.41
CV	25.53	20.33	17.76	14.92	16.91	16.30	7.81	4.58

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 24, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	21.4	22.6	22.2	26.4	25.3	23.0	0.0	0.0
12	24.3	25.3	26.7	0.0	0.0	0.0	0.0	0.0
13	29.5	0.0	28.5	28.6	24.7	0.0	0.0	0.0
14	0.0	26.4	30.1	0.0	0.0	0.0	0.0	0.0
15	27.7	28.4	29.0	30.1	24.4	27.9	0.0	0.0
16	4.5	7.3	9.1	0.0	0.0	0.0	0.0	0.0
17	7.0	12.8	10.5	13.3	13.4	10.3	17.2	16.8
18	0.0	10.0	11.9	13.2	13.4	0.0	0.0	0.0
19	5.5	10.4	12.4	11.0	11.4	12.3	10.4	0.0
20	0.0	14.1	15.7	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	15.4	15.9	0.0	0.0	0.0	0.0	0.0
27	8.8	13.3	15.4	16.4	17.1	26.4	26.5	26.3
28	0.0	14.5	15.6	16.2	17.1	0.0	0.0	0.0
29	19.1	21.5	21.1	17.9	21.3	26.1	25.8	25.5
30	20.3	21.1	23.7	0.0	0.0	0.0	0.0	0.0
31	23.1	73.1	32.5	33.3	34.0	29.6	0.0	0.0
32	19.8	21.7	22.5	0.0	0.0	0.0	0.0	0.0
33	29.5	33.55	58.9	32.4	31.3	0.0	0.0	0.0
34	14.6	19.5	19.9	0.0	0.0	0.0	0.0	0.0
35	19.2	22.0	25.0	26.3	29.1	26.2	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	YES	NO	NO	YES	YES	YES	NO	YES

FIRST ITERATION

MODE	19.20	21.10	21.65	22.10	23.30	26.15	21.50	25.50
MEAN	17.55	21.78	22.38	22.12	22.75	22.79	19.97	22.87
NUMS	17.00	19.00	20.00	12.00	12.00	8.00	4.00	3.00
SD	8.82	14.20	11.23	8.23	7.96	7.35	7.66	5.27
CV	50.24	65.21	50.16	37.18	35.00	32.25	38.33	23.04

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	19.20	20.30	21.10	22.10	23.30	26.15	21.50	25.50
MEAN	17.55	18.93	20.41	22.12	22.75	22.79	19.97	22.87
NUMS	17.00	18.00	19.00	12.00	12.00	8.00	4.00	3.00
SD	8.82	7.08	7.12	8.23	7.96	7.35	7.66	5.27
CV	50.24	37.40	34.89	37.18	35.00	32.25	38.33	23.04

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	19.20	19.50	21.10	22.10	23.30	26.15	21.50	25.50
MEAN	17.55	18.08	20.41	22.12	22.75	22.79	19.97	22.87
NUMS	17.00	17.00	19.00	12.00	12.00	8.00	4.00	3.00
SD	8.82	6.26	7.12	8.23	7.96	7.35	7.66	5.27
CV	50.24	34.65	34.89	37.18	35.00	32.25	38.33	23.04

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 25, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	12.7F	10.4F	17.1	17.2	16.7	21.3	0.0	0.0
12	6.0	8.5	14.3	0.0	0.0	0.0	0.0	0.0
13	4.3	8.9	12.5	14.7	15.6	0.0	0.0	0.0
14	5.2	11.7	14.8	0.0	0.0	0.0	0.0	0.0
15	8.0	13.3	9.2	15.6	16.0	16.9	0.0	0.0
16	5.2	8.7	13.5	0.0	0.0	0.0	0.0	0.0
17	3.8	8.4	13.5	17.4	20.3	11.5	16.8	19.2
18	3.4	8.9	14.7	17.0	20.4	0.0	0.0	0.0
19	3.4	8.0	14.2	18.5	17.5	10.7	12.1	14.6
20	4.2	8.4	15.1	0.0	0.0	0.0	0.0	0.0
21	8.4	11.1	10.1	13.3	18.4	0.0	0.0	0.0
22	8.4	7.5	0.0	11.1	13.6	0.0	0.0	0.0
23	6.7	9.9	12.9	15.2	17.3	21.1	21.6	21.5
24	8.1	13.4	15.4	14.7	17.5	0.0	0.0	0.0
25	5.0	12.8	13.8	14.4	15.1	0.0	0.0	0.0
26	2.0	3.8	7.7	0.0	0.0	0.0	0.0	0.0
27	2.5	5.4	9.0	11.9	15.3	7.9	15.6	7.2
28	4.1	5.5	9.2	14.2	11.8F	0.0	0.0	0.0
29	7.5	14.2	13.5	15.0	18.5	17.7	20.8	20.7
30	6.8	12.8	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	4.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0
37	3.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0
38	3.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0
39	7.0	15.1	0.0	0.0	0.0	0.0	0.0	0.0
40	7.7	4.1	0.0	0.0	0.0	0.0	0.0	0.6
41	2.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0
42	2.2	13.3	0.0	0.0	0.0	0.0	0.0	0.0
43	4.2	8.9	0.0	0.0	0.0	0.0	0.0	0.0
44	11.1F	8.9	0.0	0.0	0.0	0.0	0.0	0.0
45	5.9	10.1	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	SKEN	NO	NO	NO	NO	NO	SKEN	NO

FIRST ITERATION

MODE	4.75	9.00	13.80	14.95	17.00	16.90	18.10	19.20
MEAN	5.52	9.53	13.02	15.08	16.71	15.30	18.58	16.64
NOBS	30.00	30.00	19.00	14.00	14.00	7.00	5.00	5.00
SD	2.52	3.41	3.08	2.01	2.39	5.30	2.57	5.91
CV	45.56	35.75	23.69	13.36	14.30	34.62	13.81	35.54

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.70	8.90	13.80	14.95	16.70	16.90	18.10	19.20
MEAN	5.06	9.29	13.02	15.08	17.09	15.30	18.58	16.64
NOBS	28.00	29.00	19.00	14.00	13.00	7.00	5.00	5.00
SD	1.88	3.20	3.08	2.01	2.01	5.30	2.57	5.91
CV	37.18	34.50	23.69	13.36	11.73	34.62	13.81	35.54

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.70	8.90	13.80	14.95	16.70	16.90	18.10	19.20
MEAN	5.06	9.29	13.02	15.08	17.09	15.30	18.58	16.64
NOBS	28.00	29.00	19.00	14.00	13.00	7.00	5.00	5.00
SD	1.88	3.20	3.08	2.01	2.01	5.30	2.57	5.91
CV	37.18	34.50	23.69	13.36	11.73	34.62	13.81	35.54

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 26, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	20.4	21.9	21.6	19.3	19.8	25.1	0.0	0.0
12	31.5	29.3	0.0	0.0	0.0	0.0	0.0	0.0
13	4.3S	14.8F	27.9	27.2	27.5	0.0	0.0	0.0
14	35.4	33.9	33.9	0.0	0.0	0.0	0.0	0.0
15	33.3	32.4	34.3	33.5	33.1	30.0	0.0	0.0
16	0.0	19.5	17.7	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	17.2	0.0	0.0	28.2	24.3	26.6
18	17.7	34.2	32.5	32.7	31.8	0.0	0.0	0.0
19	32.1	33.7	33.1	31.8	32.4	2.9A	26.8	26.5
20	19.4	20.4	20.3	0.0	0.0	0.0	0.0	0.0
21	15.7	0.0	0.0	18.6	0.0	0.0	0.0	0.0
22	17.9	23.8	0.0	18.8	0.0	0.0	0.0	0.0
23	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	30.0	29.6	33.1	0.0	0.0	0.0	0.0	0.0
27	30.2	31.9	33.3	33.6	35.4	22.5	31.0	28.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	29.9	29.3	29.3	30.0	32.9	22.5	0.0	0.0
32	34.7	33.1	32.8	0.0	0.0	0.0	0.0	0.0
33	29.4	31.0	33.0	31.6	32.5	0.0	0.0	0.0
34	31.4	23.6	38.3	0.0	0.0	0.0	0.0	0.0
35	7.8F	0.0	23.6	22.3	15.1	15.8A	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	35.8	35.3	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	SKEW	SKEW	SKEW	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	30.00	29.60	32.65	30.00	32.40	22.50	29.30	26.80
MEAN	26.08	28.10	28.87	27.04	29.39	21.00	29.03	27.13
NOBS	19.00	17.00	16.00	11.00	9.00	7.00	3.00	3.00
SD	8.94	6.19	6.64	6.54	6.00	9.21	2.11	0.76
CV	34.27	22.03	22.99	24.21	20.42	43.85	7.28	2.79

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	29.95	29.45	32.65	30.00	32.40	22.50	29.30	26.80
MEAN	27.10	28.93	28.87	27.04	29.39	21.00	29.03	27.13
NOBS	18.00	16.00	16.00	11.00	9.00	7.00	3.00	3.00
SD	7.99	5.32	6.64	6.54	6.00	9.21	2.11	0.76
CV	29.48	18.40	22.99	24.21	20.42	43.85	7.28	2.79

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	29.90	29.45	32.65	30.00	32.40	22.50	29.30	26.80
MEAN	28.15	28.93	28.87	27.04	29.39	21.00	29.03	27.13
NOBS	17.00	16.00	16.00	11.00	9.00	7.00	3.00	3.00
SD	6.85	5.32	6.64	6.54	6.00	9.21	2.11	0.76
CV	24.32	18.40	22.99	24.21	20.42	43.85	7.28	2.79

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH	INTERVAL	CM.	DEPTH	INTERVAL	CM.	DEPTH	INTERVAL	CM.
1-1	0-1	1-2	2-5	5-9	4-15	0-15	15-30	30-45	
1-2	1-2	2-5	11.6	15.9	17.4	3.6	0.0	0.0	
1-3	3-4	4-5	15.0	10.0	0.0	0.0	0.0	0.0	
1-4	5-6	6-7	15.5	17.6	21.3	0.0	0.0	0.0	
1-5	7-8	8-9	17.4	0.0	0.0	0.0	0.0	0.0	
1-6	9-10	10-11	14.5	14.7	17.0	16.0	0.0	0.0	
1-7	11-12	12-13	14.2	10.0	0.0	16.0	0.0	0.0	
1-8	13-14	14-15	14.5	14.5	17.4	16.4	18.4	15.0	
1-9	15-16	16-17	14.4	14.3	17.4	0.0	0.0	0.0	
1-10	17-18	18-19	16.2	20.4	20.6	18.5	12.7	9.0	
1-11	19-20	20-21	17.8	0.0	0.0	0.0	0.0	0.0	
1-12	21-22	22-23	16.1	14.2	23.2	0.0	0.0	0.0	
1-13	23-24	24-25	3.7	13.8	17.8	0.0	0.0	0.0	
1-14	25-26	26-27	17.1	18.6	20.4	17.4	18.4	17.4	
1-15	27-28	28-29	11.4	13.2	16.6	0.0	0.0	0.0	
1-16	29-30	30-31	10.1	13.6	14.6	0.0	0.0	0.0	
1-17	31-32	32-33	13.8	0.0	0.0	0.0	0.0	0.0	
1-18	33-34	34-35	4.5	15.4	17.8	12.4	12.5	17.4	
1-19	35-36	36-37	4.8	10.6	13.4	10.0	10.0	10.0	
1-20	37-38	38-39	11.2	14.6	18.8	14.5	15.5	15.4	
1-21	39-40	40-41	16.3	0.0	0.0	0.0	0.0	0.0	
1-22	41-42	42-43	14.4	8.5	15.8	9.6	0.0	0.0	
1-23	43-44	44-45	17.5	0.0	0.0	0.0	0.0	0.0	
1-24	45-46	46-47	17.4	15.0	17.9	0.0	0.0	0.0	
1-25	47-48	48-49	12.0	0.0	0.0	0.0	0.0	0.0	
1-26	49-50	50-51	12.0	0.0	0.0	0.0	0.0	0.0	
1-27	51-52	52-53	4.1	0.0	0.0	0.0	0.0	0.0	
1-28	53-54	54-55	4.3	0.0	0.0	0.0	0.0	0.0	
1-29	55-56	56-57	13.6	0.0	0.0	0.0	0.0	0.0	
1-30	57-58	58-59	2.7	0.0	0.0	0.0	0.0	0.0	
1-31	59-60	60-61	2.5	0.0	0.0	0.0	0.0	0.0	
1-32	61-62	62-63	7.8	0.0	0.0	0.0	0.0	0.0	
1-33	63-64	64-65	4.1	0.0	0.0	0.0	0.0	0.0	
1-34	65-66	66-67	2.2	0.0	0.0	0.0	0.0	0.0	
1-35	67-68	68-69	2.2	0.0	0.0	0.0	0.0	0.0	
1-36	69-70	70-71	2.7	0.0	0.0	0.0	0.0	0.0	
1-37	71-72	72-73	2.7	0.0	0.0	0.0	0.0	0.0	
1-38	73-74	74-75	2.7	0.0	0.0	0.0	0.0	0.0	
1-39	75-76	76-77	2.7	0.0	0.0	0.0	0.0	0.0	
1-40	77-78	78-79	2.7	0.0	0.0	0.0	0.0	0.0	
1-41	79-80	80-81	2.7	0.0	0.0	0.0	0.0	0.0	
1-42	81-82	82-83	2.7	0.0	0.0	0.0	0.0	0.0	
1-43	83-84	84-85	2.7	0.0	0.0	0.0	0.0	0.0	
1-44	85-86	86-87	2.7	0.0	0.0	0.0	0.0	0.0	
1-45	87-88	88-89	2.7	0.0	0.0	0.0	0.0	0.0	
1-46	89-90	90-91	2.7	0.0	0.0	0.0	0.0	0.0	
1-47	91-92	92-93	2.7	0.0	0.0	0.0	0.0	0.0	
1-48	93-94	94-95	2.7	0.0	0.0	0.0	0.0	0.0	
1-49	95-96	96-97	2.7	0.0	0.0	0.0	0.0	0.0	
1-50	97-98	98-99	2.7	0.0	0.0	0.0	0.0	0.0	
1-51	99-100	100-101	2.7	0.0	0.0	0.0	0.0	0.0	
1-52	101-102	102-103	2.7	0.0	0.0	0.0	0.0	0.0	
1-53	103-104	104-105	2.7	0.0	0.0	0.0	0.0	0.0	
1-54	105-106	106-107	2.7	0.0	0.0	0.0	0.0	0.0	
1-55	107-108	108-109	2.7	0.0	0.0	0.0	0.0	0.0	
1-56	109-110	110-111	2.7	0.0	0.0	0.0	0.0	0.0	
1-57	111-112	112-113	2.7	0.0	0.0	0.0	0.0	0.0	
1-58	113-114	114-115	2.7	0.0	0.0	0.0	0.0	0.0	
1-59	115-116	116-117	2.7	0.0	0.0	0.0	0.0	0.0	
1-60	117-118	118-119	2.7	0.0	0.0	0.0	0.0	0.0	
1-61	119-120	120-121	2.7	0.0	0.0	0.0	0.0	0.0	
1-62	121-122	122-123	2.7	0.0	0.0	0.0	0.0	0.0	
1-63	123-124	124-125	2.7	0.0	0.0	0.0	0.0	0.0	
1-64	125-126	126-127	2.7	0.0	0.0	0.0	0.0	0.0	
1-65	127-128	128-129	2.7	0.0	0.0	0.0	0.0	0.0	
1-66	129-130	130-131	2.7	0.0	0.0	0.0	0.0	0.0	
1-67	131-132	132-133	2.7	0.0	0.0	0.0	0.0	0.0	
1-68	133-134	134-135	2.7	0.0	0.0	0.0	0.0	0.0	
1-69	135-136	136-137	2.7	0.0	0.0	0.0	0.0	0.0	
1-70	137-138	138-139	2.7	0.0	0.0	0.0	0.0	0.0	
1-71	139-140	140-141	2.7	0.0	0.0	0.0	0.0	0.0	
1-72	141-142	142-143	2.7	0.0	0.0	0.0	0.0	0.0	
1-73	143-144	144-145	2.7	0.0	0.0	0.0	0.0	0.0	
1-74	145-146	146-147	2.7	0.0	0.0	0.0	0.0	0.0	
1-75	147-148	148-149	2.7	0.0	0.0	0.0	0.0	0.0	
1-76	149-150	150-151	2.7	0.0	0.0	0.0	0.0	0.0	
1-77	151-152	152-153	2.7	0.0	0.0	0.0	0.0	0.0	
1-78	153-154	154-155	2.7	0.0	0.0	0.0	0.0	0.0	
1-79	155-156	156-157	2.7	0.0	0.0	0.0	0.0	0.0	
1-80	157-158	158-159	2.7	0.0	0.0	0.0	0.0	0.0	
1-81	159-160	160-161	2.7	0.0	0.0	0.0	0.0	0.0	
1-82	161-162	162-163	2.7	0.0	0.0	0.0	0.0	0.0	
1-83	163-164	164-165	2.7	0.0	0.0	0.0	0.0	0.0	
1-84	165-166	166-167	2.7	0.0	0.0	0.0	0.0	0.0	
1-85	167-168	168-169	2.7	0.0	0.0	0.0	0.0	0.0	
1-86	169-170	170-171	2.7	0.0	0.0	0.0	0.0	0.0	
1-87	171-172	172-173	2.7	0.0	0.0	0.0	0.0	0.0	
1-88	173-174	174-175	2.7	0.0	0.0	0.0	0.0	0.0	
1-89	175-176	176-177	2.7	0.0	0.0	0.0	0.0	0.0	
1-90	177-178	178-179	2.7	0.0	0.0	0.0	0.0	0.0	
1-91	179-180	180-181	2.7	0.0	0.0	0.0	0.0	0.0	
1-92	181-182	182-183	2.7	0.0	0.0	0.0	0.0	0.0	
1-93	183-184	184-185	2.7	0.0	0.0	0.0	0.0	0.0	
1-94	185-186	186-187	2.7	0.0	0.0	0.0	0.0	0.0	
1-95	187-188	188-189	2.7	0.0	0.0	0.0	0.0	0.0	
1-96	189-190	190-191	2.7	0.0	0.0	0.0	0.0	0.0	
1-97	191-192	192-193	2.7	0.0	0.0	0.0	0.0	0.0	
1-98	193-194	194-195	2.7	0.0	0.0	0.0	0.0	0.0	
1-99	195-196	196-197	2.7	0.0	0.0	0.0	0.0	0.0	
1-100	197-198	198-199	2.7	0.0	0.0	0.0	0.0	0.0	
1-101	199-200	200-201	2.7	0.0	0.0	0.0	0.0	0.0	
1-102	201-202	202-203	2.7	0.0	0.0	0.0	0.0	0.0	
1-103	203-204	204-205	2.7	0.0	0.0	0.0	0.0	0.0	
1-104	205-206	206-207	2.7	0.0	0.0	0.0	0.0	0.0	
1-105	207-208	208-209	2.7	0.0	0.0	0.0	0.0	0.0	
1-106	209-210	210-211	2.7	0.0	0.0	0.0	0.0	0.0	
1-107	211-212	212-213	2.7	0.0	0.0	0.0	0.0	0.0	
1-108	213-214	214-215	2.7	0.0	0.0	0.0	0.0	0.0	
1-109	215-216	216-217	2.7	0.0	0.0	0.0	0.0	0.0	
1-110	217-218	218-219	2.7	0.0	0.0	0.0	0.0	0.0	
1-111	219-220	220-221	2.7	0.0	0.0	0.0	0.0	0.0	
1-112	221-222	222-223	2.7	0.0	0.0	0.0	0.0	0.0	
1-113	223-224	224-225	2.7	0.0	0.0	0.0	0.0	0.0	
1-114	225-226	226-227	2.7	0.0	0.0	0.0	0.0	0.0	
1-115	227-228	228-229	2.7	0.0	0.0	0.0	0.0	0.0	
1-116	229-230	230-231	2.7	0.0	0.0	0.0	0.0	0.0	
1-117	231-232	232-233	2.7	0.0	0.0	0.0	0.0	0.0	
1-118	233-234	234-235	2.7	0.0	0.0	0.0	0.0	0.0	
1-119	235-236	236-237	2.7	0.0	0.0	0.0	0.0	0.0	
1-120	237-238	238-239	2.7	0.0	0.0	0.0	0.0	0.0	
1-121	239-240	240-241	2.7	0.0	0.0	0.0	0.0	0.0	
1-122	241-242	242-243	2.7	0.0	0.0	0.0	0.0	0.0	
1-123	243-244	244-245	2.7	0.0	0.0	0.0	0.0	0.0	
1-124	245-246	246-247	2.7	0.0	0.0	0.0	0.0	0.0	
1-125	247-248	248-249	2.7	0.0	0.0	0.0	0.0	0.0	
1-126	249-250	250-251	2.7	0.0	0.0	0.0	0.0	0.0	
1-127	251-252	252-253	2.7	0.0	0.0	0.0	0.0	0.0	
1-128	253-254	254-255	2.7	0.0	0.0	0.0	0.0	0.0	
1-129	255-256	256-257	2.7	0.0	0.0	0.0	0.0	0.0	
1-130	257-258	258-259	2.7	0.0	0.0	0.0	0.0	0.0	
1-131	259-260	260-261	2.7	0.0	0.0	0.0	0.0	0.0	
1-132	261-262	262-263	2.7	0.0	0.0	0.0	0.0	0.0	
1-133	263-264	264-265	2.7	0.0	0.0	0.0	0.0	0.0	
1-134	265-266	266-267	2.7	0.0	0.0	0.0	0.0	0.0	
1-135	267-268	268-269	2.7	0.0	0.0	0.0	0.0	0.0	
1-136	269-270	270-271	2.7	0.0	0.0	0.0	0.0	0.0	
1-137	271-272	272-273	2.7	0.0	0.0	0.0	0.0	0.0	
1-138	273-274	274-275	2.7	0.0	0.0	0.0	0.0	0.0	
1-139	275-276	276-277	2.7	0.0	0.0	0.0	0.0	0.0	
1-140	277-278	278-279	2.7	0.0					

FIRST ITERATION								
MODE	2.40	7.30	13.80	15.40	17.80	14.50	15.50	15.40
MEAN	4.38	7.44	12.50	15.44	16.90	12.53	15.60	14.84
NOBS	35.00	35.00	25.00	17.00	17.00	5.00	5.00	5.00
SD	4.64	3.74	4.30	2.76	4.82	5.53	3.03	3.45
CV	105.84	47.34	34.30	17.32	28.53	44.13	19.43	23.23

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.70	7.15	12.70	15.40	17.60	18.50	15.50	15.40
MEAN	3.48	7.24	12.87	15.94	17.74	12.53	15.60	14.84
NOBS	33.00	34.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	2.57	3.46	3.97	2.76	3.45	5.53	4.03	3.45
CV	73.71	47.79	30.43	17.32	19.43	44.13	19.43	23.23

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.50	7.00	12.70	15.40	17.40	14.50	15.50	15.40
MEAN	3.04	7.02	12.87	15.44	18.37	12.53	15.60	14.84
NOBS	31.00	33.00	24.00	17.00	15.00	5.00	5.00	5.00
SD	1.92	3.27	3.97	2.76	2.44	5.53	3.03	3.45
CV	63.10	46.64	30.83	17.32	13.26	44.13	19.43	23.23

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 29, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	27.54	26.9	26.2	23.9	25.2	0.0	0.0	0.0
12	6.95	14.7	13.6	0.0	0.0	0.0	0.0	0.0
13	2.2	3.0	15.4	18.9	19.3	0.0	0.0	0.0
14	2.9	11.3	17.0	0.0	0.0	0.0	0.0	0.0
15	26.9F	27.3	27.0	26.2	25.8	0.0	0.0	0.0
16	3.0	8.6	15.3	0.0	0.0	0.0	0.0	0.0
17	2.0	3.9	16.5	17.8	18.4	0.0	0.0	0.0
18	2.2	8.2	16.1	19.9	19.6	0.0	0.0	0.0
19	1.4	6.1	16.0	19.8	20.4	0.0	0.0	0.0
20	4.0	16.7	18.8	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	2.3	15.4	0.0	0.0	0.0	0.0	0.0	0.0
37	1.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL	2.60	9.95	16.30	19.85	20.00	0.0	0.0	0.0
MODE	2.60	9.95	16.30	19.85	20.00	0.0	0.0	0.0
MEAN	2.60	9.95	16.30	19.85	20.00	0.0	0.0	0.0
NOHS	12.00	12.00	10.00	6.00	6.00	0.0	0.0	0.0
SD	9.59	8.42	4.61	3.25	3.12	0.0	0.0	0.0
CV	138.84	69.52	25.09	15.40	14.44	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

MODE	2.60	9.95	16.30	19.85	20.00	0.0	0.0	0.0
MEAN	2.60	9.95	16.30	19.85	20.00	0.0	0.0	0.0
NOHS	12.00	12.00	10.00	6.00	6.00	0.0	0.0	0.0
SD	9.59	8.42	4.61	3.25	3.12	0.0	0.0	0.0
CV	138.84	69.52	25.09	15.40	14.44	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.25	9.95	16.30	19.85	20.00	0.0	0.0	0.0
MEAN	2.25	9.95	16.30	19.85	20.00	0.0	0.0	0.0
NOHS	10.00	12.00	10.00	6.00	6.00	0.0	0.0	0.0
SD	1.62	8.42	4.61	3.25	3.12	0.0	0.0	0.0
CV	36.80	69.52	25.09	15.40	14.44	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.20	9.95	16.30	19.85	20.00	0.0	0.0	0.0
MEAN	2.40	12.12	18.39	21.08	21.53	0.0	0.0	0.0
NOHS	9.00	12.00	10.00	6.00	6.00	0.0	0.0	0.0
SD	0.82	8.42	4.61	3.25	3.12	0.0	0.0	0.0
CV	34.10	69.52	25.09	15.40	14.48	0.0	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 30, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11.6	7.4	14.5	15.1	15.2	12.9	17.6	12.2
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1.5	5.4	14.5	17.0	19.8	17.6	15.9	12.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	NO	SKEW	SKEW	NO	NO	SKEW

FIRST ITERATION								
MODE	2.10	6.50	13.75	15.45	16.40	14.15	16.75	12.25
MEAN	2.18	6.28	13.22	14.77	17.13	14.60	17.32	14.22
NOBS	5.00	5.00	4.00	4.00	3.00	4.00	4.00	4.00
SD	0.70	0.91	1.70	2.51	2.39	2.38	2.04	3.98
CV	32.01	14.48	12.88	16.98	13.93	16.28	11.76	28.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.10	6.50	13.75	15.45	16.40	14.15	16.75	12.25
MEAN	2.18	6.28	13.22	14.77	17.13	14.60	17.32	14.22
NOBS	5.00	5.00	4.00	4.00	3.00	4.00	4.00	4.00
SD	0.70	0.91	1.70	2.51	2.39	2.38	2.04	3.98
CV	32.01	14.48	12.88	16.98	13.93	16.28	11.76	28.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.10	6.50	13.75	15.45	16.40	14.15	16.75	12.25
MEAN	2.18	6.28	13.22	14.77	17.13	14.60	17.32	14.22
NOBS	5.00	5.00	4.00	4.00	3.00	4.00	4.00	4.00
SD	0.70	0.91	1.70	2.51	2.39	2.38	2.04	3.98
CV	32.01	14.48	12.88	16.98	13.93	16.28	11.76	28.00

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 31, CROP - MILU

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.5	2.2	3.3	5.6	4.7	10.9	0.0	0.0
12	0.7	2.4	2.7	0.0	0.0	0.0	0.0	0.0
13	0.4	2.1	0.0	0.0	5.4	0.0	0.0	0.0
14	1.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
15	1.9	2.3	0.0	7.5	5.8	9.3	0.0	0.0
16	2.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0
17	2.6	4.5	11.0	13.3	10.6	9.9	4.0	13.9
18	1.7	3.5	11.0	0.0	8.0	0.0	0.0	0.0
19	2.0	4.6	0.0	0.0	7.2	11.1	7.6	12.1
20	1.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
21	2.1	4.5	0.0	0.0	10.0	0.0	0.0	0.0
22	0.9	2.2	0.0	11.0	12.0	0.0	0.0	0.0
23	0.5	2.2	0.0	5.2	4.4	11.2	9.5	12.2
24	0.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0
25	0.6	4.4	0.0	0.0	13.0	0.0	0.0	0.0
26	1.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
27	1.6	3.2	0.0	0.0	43.9	7.6	10.9	8.4
28	2.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0
29	2.4	3.6	0.0	0.0	10.9	11.0	11.0	13.2
30	2.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
31	0.5	2.7	0.0	11.1	10.2	10.2	0.0	0.0
32	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
33	0.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
34	0.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
35	0.1	0.5	1.4	5.9	4.7	8.8	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	SKEW	NO	NO	SKEW

FIRST ITERATION

MODE	1.40	2.70	5.95	8.65	9.85	10.20	9.50	12.20
MEAN	1.33	2.46	5.96	8.35	10.97	10.00	9.60	11.96
NOHS	25.00	25.00	24.00	16.00	16.00	9.00	5.00	5.00
SD	0.79	1.15	2.44	2.57	9.15	1.23	1.42	2.12
CV	58.98	38.68	40.96	30.76	83.41	12.35	14.75	17.76

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.40	2.65	5.80	8.50	9.80	10.20	9.50	12.20
MEAN	1.33	3.07	5.46	8.71	8.77	10.00	9.60	11.96
NOHS	25.00	24.00	22.00	15.00	15.00	9.00	5.00	5.00
SD	0.79	1.05	1.85	2.19	2.66	1.23	1.42	2.12
CV	58.98	34.14	33.90	25.16	30.29	12.35	14.75	17.76

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.40	2.65	5.70	8.40	9.80	10.20	9.50	12.20
MEAN	1.33	3.07	5.66	8.39	8.77	10.00	9.60	11.96
NOHS	25.00	24.00	21.00	14.00	15.00	9.00	5.00	5.00
SD	0.79	1.05	1.65	1.86	2.66	1.23	1.42	2.12
CV	58.98	34.14	29.25	22.12	30.29	12.35	14.75	17.76

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 37, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	11.4	17.1	22.4	23.8	24.4	22.5	0.0	0.0
12	14.1	17.4	22.4	0.0	0.0	0.0	0.0	0.0
13	17.9	22.8	16.4	19.0	20.2	0.0	0.0	0.0
14	6.8	8.4	16.5	0.0	0.0	0.0	0.0	0.0
15	9.2	15.2	18.3	6.1	23.4	15.0	0.0	0.0
16	6.3	16.0	21.0	0.0	0.0	0.0	0.0	0.0
17	0.0	21.0	22.2	22.2	24.2	22.7	23.5	22.4
18	14.0	22.5	24.7	25.6	22.8	0.0	0.0	0.0
19	4.5	10.0	21.6	23.1	22.2	17.8	22.5	20.4
20	4.8	10.6	11.3	0.0	0.0	0.0	0.0	0.0
21	6.1	13.4	17.6	18.5	15.8	0.0	0.0	0.0
22	6.5	16.0	18.4	18.8	19.7	0.0	0.0	0.0
23	21.6	18.5	23.7	25.0	25.8	24.1	25.2	25.7
24	15.9	17.2	20.0	19.9	17.1	0.0	0.0	0.0
25	9.6	13.0	17.2	0.0	16.8	0.0	0.0	0.0
26	12.7	15.8	16.6	0.0	0.0	0.0	0.0	0.0
27	4.8	12.3	16.4	16.9	18.3	18.4	20.7	22.4
28	0.0	14.2	18.1	18.9	19.2	0.0	0.0	0.0
29	14.4	15.8	18.0	21.8	23.3	20.0	23.1	20.8
30	5.3	15.1	18.4	0.0	0.0	0.0	0.0	0.0
31	6.1	16.5	14.2	15.8	16.4	11.7 A	0.0	0.0
32	7.0	14.5	17.4	0.0	0.0	0.0	0.0	0.0
33	38.4 F	36.3 F	38.7 F	38.9 F	44.7 F	0.0	0.0	0.0
34	5.3	15.4	17.6	0.0	0.0	0.0	0.0	0.0
35	5.1	15.4	11.8	13.1	12.5 S	0.0	0.0	0.0
36	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0
37	12.2	21.7	0.0	0.0	0.0	0.0	0.0	0.0
38	5.8	11.7	0.0	0.0	0.0	0.0	0.0	0.0
39	21.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0
40	17.4	19.4	0.0	0.0	0.0	0.0	0.0	0.0
41	12.6	14.0	0.0	0.0	0.0	0.0	0.0	0.0
42	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	15.3	5.0 S	0.0	0.0	0.0	0.0	0.0	0.0
44	4.7	10.0	0.0	0.0	0.0	0.0	0.0	0.0
45	17.2	19.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	9.40	15.15	18.10	19.45	20.20	19.20	23.10	22.40
MEAN	11.32	15.32	19.24	20.46	21.58	19.02	23.00	22.44
NOHS	32.00	34.00	25.00	16.00	17.00	8.00	5.00	5.00
SD	7.23	5.41	5.24	6.41	6.99	4.21	1.63	1.98
CV	63.65	38.58	27.24	33.77	32.42	22.13	7.09	8.83

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	9.20	15.10	18.05	18.95	19.95	19.20	23.10	22.40
MEAN	10.45	14.68	18.42	20.17	20.13	19.02	23.00	22.44
NOHS	31.00	33.00	24.00	14.00	16.00	8.00	5.00	5.00
SD	5.36	4.67	3.34	3.60	3.78	4.21	1.63	1.98
CV	51.33	31.82	18.40	17.87	18.79	22.13	7.09	8.83

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	9.10	15.00	18.00	18.95	19.70	19.20	23.10	22.40
MEAN	9.67	14.98	18.73	20.17	20.64	19.02	23.00	22.44
NOHS	29.00	32.00	23.00	14.00	15.00	8.00	5.00	5.00
SD	4.60	4.41	3.10	3.60	3.30	4.21	1.63	1.98
CV	47.55	29.41	16.54	17.87	15.99	22.13	7.09	8.83

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 38, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	4.3	11.3	13.2	16.2	21.6	4.0 A	11.7	10.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	11.1	17.3	15.7	21.1	21.9	14.1	18.0	12.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	12.2	19.4	20.1	20.6	21.3	16.9	21.8	20.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	5.1	7.9	10.5	13.1	11.3 A	12.8	11.3	11.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	2.7	5.6	11.4	21.2	19.9	19.6	23.8	22.5
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	SKEW	SKEW	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	5.10	11.30	13.20	20.60	21.30	14.10	18.00	12.80
MEAN	7.08	12.30	14.78	18.44	19.20	13.48	17.32	15.52
NOHS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	4.28	5.93	4.36	3.64	4.48	5.91	5.71	5.39
CV	60.42	48.21	29.47	19.72	23.34	43.87	32.96	34.74

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.10	11.30	13.20	20.60	21.30	14.10	18.00	12.80
MEAN	7.08	12.30	14.78	18.44	19.20	13.48	17.32	15.52
NOHS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	4.28	5.93	4.36	3.64	4.48	5.91	5.71	5.39
CV	60.42	48.21	29.47	19.72	23.34	43.87	32.96	34.74

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.10	11.30	13.20	20.60	21.30	14.10	18.00	12.80
MEAN	7.08	12.30	14.78	18.44	19.20	13.48	17.32	15.52
NOHS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	4.28	5.93	4.36	3.64	4.48	5.91	5.71	5.39
CV	60.42	48.21	29.47	19.72	23.34	43.87	32.96	34.74

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 39, CROP - MILU

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.7	15.2	20.2	21.1	20.1	21.5	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	14.7	17.1	4.85	17.7	18.4	0.0	0.0	0.0
14	17.1	18.2	21.8	0.0	0.0	0.0	0.0	0.0
15	20.4	21.1	21.2	16.5	14.4	2.1F	0.0	0.0
16	0.0	21.4	20.3	0.0	0.0	0.0	0.0	0.0
17	5.7	16.2	17.3	22.0	17.0	21.2	21.0	15.0
18	8.4	14.4	18.6	19.1	20.0	0.0	0.0	0.0
19	23.8	0.0	23.2	23.6	0.0	18.6	22.0	22.1
20	13.7	20.3	18.9	0.0	0.0	0.0	0.0	0.0
21	14.2	18.9	20.3	20.9	20.4	0.0	0.0	0.0
22	14.2	20.3	23.0	22.2	21.6	0.0	0.0	0.0
23	3.9	16.4	17.8	18.8	15.5	13.7	12.6	13.3
24	17.0	20.5	21.7	26.1	24.1	0.0	0.0	0.0
25	17.9	16.1	14.5	13.0F	20.1	0.0	0.0	0.0
26	14.7	18.9	20.8	0.0	0.0	0.0	0.0	0.0
27	5.0	13.4	20.8	22.3	22.4	18.2	18.6	19.5
28	14.2	19.4	21.4	21.9	21.1	0.0	0.0	0.0
29	0.0	18.4	21.5	24.7	27.2F	20.7	21.4	16.4
30	17.4	19.4	23.1	0.0	0.0	0.0	0.0	0.0
31	8.2	15.7	19.2	19.8	21.0	21.3	0.0	0.0
32	2.2	94.4F	21.2	0.0	0.0	0.0	0.0	0.0
33	15.0	23.5F	24.5	24.4	22.2	0.0	0.0	0.0
34	16.9	17.6	13.2	0.0	0.0	0.0	0.0	0.0
35	16.4	18.2	16.0	17.5	17.2	17.1	0.0	0.0
36	4.7	14.8	0.0	0.0	0.0	0.0	0.0	0.0
37	20.0	22.3	0.0	0.0	0.0	0.0	0.0	0.0
38	23.1F	23.9S	0.0	0.0	0.0	0.0	0.0	0.0
39	9.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
40	4.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0
41	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	11.5	19.3	0.0	0.0	0.0	0.0	0.0	0.0
43	6.4	15.4	0.0	0.0	0.0	0.0	0.0	0.0
44	12.9	18.1	0.0	0.0	0.0	0.0	0.0	0.0
45	17.4	21.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	NO	SKEW	NO	SKEW

FIRST ITERATION								
MODE	14.20	18.55	20.30	21.10	20.25	18.60	21.00	16.40
MEAN	13.25	20.54	18.70	20.71	20.23	17.14	19.12	17.26
NOBS	32.00	32.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	6.11	13.84	4.76	3.38	3.22	6.22	3.87	3.53
CV	46.16	67.22	25.47	16.31	15.92	36.18	20.22	20.48

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	14.20	18.20	20.30	21.00	20.10	18.40	21.00	16.40
MEAN	12.83	18.21	19.38	21.19	19.77	19.07	19.12	17.26
NOBS	31.00	31.00	23.00	16.00	15.00	8.00	5.00	5.00
SD	5.74	3.25	3.44	2.82	2.72	2.76	3.87	3.53
CV	44.73	17.82	18.01	13.31	13.78	14.47	20.22	20.48

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	14.20	14.20	20.25	21.00	20.10	18.40	21.00	16.40
MEAN	12.83	18.23	19.81	21.19	19.77	19.07	19.12	17.26
NOBS	31.00	29.00	22.00	16.00	15.00	8.00	5.00	5.00
SD	5.74	2.58	2.86	2.82	2.72	2.76	3.87	3.53
CV	44.73	14.14	14.44	13.31	13.78	14.47	20.22	20.48

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 43, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	9-15	0-15	15-30	30-45
11	1.1	9.7	2-5	16.1	19.6	8.3	0.0	0.0
12	8.2	42.7F	16.6	0.0	0.0	0.0	0.0	0.0
13	14.0	17.7	0.0	19.3	19.8	0.0	0.0	0.0
14	1.2	20.6	16.5	0.0	0.0	0.0	0.0	0.0
15	20.3F	23.4	14.1	19.5	20.3	19.8	0.0	0.0
16	2.1	5.85	31.5F	0.0	0.0	0.0	0.0	0.0
17	4.0	20.5	18.4	20.8	23.0	16.3	23.4	24.2
18	4.6	20.3	17.4	24.0	24.4	0.0	0.0	0.0
19	13.5	19.6	23.3	22.7	21.8	14.3	23.3	25.3
20	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	11.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0
23	5.1	11.5	12.25	15.8	18.2	11.6	22.8	23.2
24	7.7	18.9	18.0	20.6	22.3	0.0	0.0	0.0
25	0.0	0.0	18.4	17.8	0.0	0.0	0.0	0.0
26	10.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	12.3	23.4	0.0	0.0	0.0	0.0	0.0
28	4.3	14.0	17.4	0.0	21.5	13.5	18.4	15.5 A
29	3.9	16.6	17.6	4.2F	19.0	0.0	0.0	0.0
30	12.0	44.0F	20.5	19.2	21.1	22.3	22.4	21.4
31	13.4	16.2	15.0	0.0	0.0	0.0	0.0	0.0
32	5.9	13.1	22.5	21.5	0.0	14.7	0.0	0.0
33	7.3	15.1	14.3	0.0	0.0	0.0	0.0	0.0
34	10.3	15.1	0.0	15.1	23.1	0.0	0.0	0.0
35	16.55	18.5	17.4	0.0	0.0	0.0	0.0	0.0
36	10.9	14.6	21.7	21.5	21.8	5.8	0.0	0.0
37	2.4	15.5	0.0	0.0	0.0	0.0	0.0	0.0
38	4.6	14.5	0.0	0.0	0.0	0.0	0.0	0.0
39	3.5	12.1	0.0	0.0	0.0	0.0	0.0	0.0
40	6.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0
41	5.4	17.6	0.0	0.0	0.0	0.0	0.0	0.0
42	3.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0
43	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	4.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
45	4.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	SKEW	SKEW	NO	NO	SKEW	NO

FIRST ITERATION

MODE	7.30	16.00	14.20	19.40	21.65	14.70	22.80	23.20
MEAN	7.88	17.13	19.16	18.81	21.39	14.62	22.06	22.02
NOBS	31.00	31.00	20.00	14.00	14.00	9.00	5.00	5.00
SD	4.78	8.27	4.16	3.81	1.83	5.46	2.04	3.85
CV	60.58	48.26	21.70	20.27	8.55	37.35	9.45	17.50

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	7.05	16.20	16.00	19.30	21.65	14.70	22.80	23.20
MEAN	7.47	15.32	18.52	19.55	21.39	14.62	22.06	22.02
NOBS	30.00	29.00	19.00	13.00	14.00	9.00	5.00	5.00
SD	4.25	4.55	3.06	2.73	1.83	5.46	2.04	3.85
CV	56.96	29.71	16.52	13.97	8.55	37.35	9.45	17.50

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	6.80	15.85	17.95	19.30	21.65	14.70	22.80	23.20
MEAN	7.16	15.66	18.87	19.55	21.39	14.62	22.06	22.02
NOBS	29.00	28.00	18.00	13.00	14.00	9.00	5.00	5.00
SD	3.97	4.25	2.72	2.73	1.83	5.46	2.04	3.85
CV	55.42	27.10	14.44	13.97	8.55	37.35	9.45	17.50

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 45, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	8.7	3.4F	15.9	18.6	22.2	0.0	0.0
12	3.9	13.7	20.1	0.0	0.0	0.0	0.0	0.0
13	3.8	8.7	16.2	18.6	16.2	0.0	0.0	0.0
14	3.5	9.4	13.5	0.0	0.0	0.0	0.0	0.0
15	2.2	6.2	8.7S	11.0F	12.5F	11.3F	0.0	0.0
16	2.1	7.5	16.7	0.0	0.0	0.0	0.0	0.0
17	2.2	8.8	13.5	15.1	18.8	17.0	23.5	21.0
18	0.6	4.1	19.0	22.1	24.6S	0.0	0.0	0.0
19	1.9	6.5	13.8	16.3	18.7	20.0	19.5	20.6
20	1.7	4.0	14.6	0.0	0.0	0.0	0.0	0.0
21	1.4	12.2	18.2	21.2	22.8	0.0	0.0	0.0
22	3.4	12.6	1.7F	18.9	20.5	0.0	0.0	0.0
23	6.7F	11.8	15.4	16.5	17.2	19.7	24.5	21.9
24	1.4	7.0	15.9	18.5	18.4	0.0	0.0	0.0
25	2.4	7.1	18.0	19.4	19.5	0.0	0.0	0.0
26	1.7	7.8	18.1	0.0	0.0	0.0	0.0	0.0
27	1.0	4.2	18.0	15.7	21.1	23.6	25.9	27.4
28	1.7	11.0	23.5	23.7	26.2F	0.0	0.0	0.0
29	3.0	8.7	18.6	21.8	22.7	23.5	27.5	25.7
30	2.6	11.0	18.5	0.0	0.0	0.0	0.0	0.0
31	0.8	7.3	14.0	15.6	18.3	21.0	0.0	0.0
32	3.1	16.7F	21.9	0.0	0.0	0.0	0.0	0.0
33	4.6S	5.9	10.7	12.8	17.3	0.0	0.0	0.0
34	3.9	9.8	19.6	0.0	0.0	0.0	0.0	0.0
35	3.2	10.3	19.5	20.1	20.0	18.8	0.0	0.0
36	1.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0
37	1.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0
38	2.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0
39	1.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0
40	2.5	7.8	0.0	0.0	0.0	0.0	0.0	0.0
41	2.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0
42	2.4	13.3	0.0	0.0	0.0	0.0	0.0	0.0
43	2.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
44	2.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0
45	2.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	NO	NO	NO	NO	NO	SKEW	NO	SKEW

FIRST ITERATION								
MODE	2.20	8.70	16.70	18.50	18.80	20.00	24.50	21.90
MEAN	2.44	8.64	15.60	17.84	19.61	19.68	24.18	23.32
NOBS	34.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SU	1.23	3.16	5.15	3.41	3.26	3.81	3.02	3.05
CV	50.39	36.62	32.88	19.14	16.63	19.38	12.48	13.06

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.20	8.25	16.20	17.50	18.70	19.85	24.50	21.40
MEAN	2.32	8.41	16.80	18.26	19.65	20.72	24.18	23.32
NOBS	33.00	34.00	23.00	16.00	15.00	8.00	5.00	5.00
SU	0.99	2.88	3.45	3.02	2.33	2.31	3.02	3.05
CV	42.79	34.26	20.52	16.53	11.68	11.15	12.48	13.06

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.15	8.25	16.05	17.50	18.65	19.85	24.50	21.90
MEAN	2.24	8.41	17.17	18.26	19.29	20.72	24.18	23.32
NOBS	32.00	34.00	22.00	16.00	14.00	8.00	5.00	5.00
SU	0.92	2.88	3.03	3.02	1.96	2.31	3.02	3.05
CV	40.83	34.26	17.65	16.53	10.16	11.15	12.48	13.06

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTM	INTERVAL, CM.	CM.	0-15	15-30	30-45
11	3.5	7.1	2-5	5-9	9-15	11.4	0.0	0.0
12	3.2	10.4	11.7	0.0	15.3	0.0	0.0	0.0
13	7.5 ^F	10.2	13.4	0.0	0.0	0.0	0.0	0.0
14	2.2	7.1	14.4	14.4	13.2	0.0	0.0	0.0
15	1.8	4.8	11.6	0.0	0.0	0.0	0.0	0.0
16	1.7	3.3	7.2	11.1	10.0	8.2	0.0	0.0
17	2.3	4.3	7.1	0.0	0.0	0.0	0.0	0.0
18	2.1	7.4	0.0	0.0	13.9	13.2	5.4	10.2
19	0.8	2.5	27.0 ^F	12.2	8.3	0.0	0.0	0.0
20	1.0	2.7	5.9	0.0	10.2	9.2	4.4	11.6
21	0.0	4.3	6.3	0.0	0.0	0.0	0.0	0.0
22	6.7 ^F	4.3	11.0	13.5	13.0	0.0	0.0	0.0
23	0.1	0.0	13.7	16.4	15.5	0.0	0.0	0.0
24	0.0	2.1	8.4	4.4	3.4 ^F	7.0	0.0	9.8
25	2.8	1.4	8.0	8.1	8.6	0.0	0.0	0.0
26	0.9	6.1	10.4	0.0	0.0	0.0	0.0	0.0
27	4.5 ^b	1.7	7.1	12.6	11.2	10.3	10.8	10.7
28	0.1	8.1	13.7	15.1	12.3	0.0	0.0	0.0
29	0.9	2.2	6.3	7.5	8.7	7.8	4.4	11.4
30	0.5	2.2	7.2	0.0	0.0	0.0	0.0	0.0
31	4.4 ^y	4.2	14.9	14.4	10.9	10.7	0.0	0.0
32	1.3	2.7	5.8	0.0	0.0	0.0	0.0	0.0
33	2.2	18.2 ^F	5.5	0.0	8.5	0.0	0.0	0.0
34	1.0	3.1	6.8	0.0	0.0	0.0	0.0	0.0
35	3.5	6.0	4.5	4.3	8.4	5.1	0.0	0.0
36	2.8	8.5	0.0	0.0	0.0	0.0	0.0	0.0
37	1.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0
38	1.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
39	2.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0
40	1.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1.3	7.0	0.0	0.0	0.0	0.0	0.0	0.0
42	2.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
43	1.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
44	1.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0
45	0.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	YES	NO	NO	YES	NO	NO	YES	NO

FIRST ITERATION

MODE	1.85	5.20	7.20	11.65	10.60	9.20	5.40	10.70
MEAN	2.25	5.45	9.45	11.45	10.65	9.27	6.30	10.74
NOBS	34.00	34.00	24.00	14.00	17.00	9.00	5.00	5.00
SU	1.65	3.82	4.82	3.14	3.00	2.53	2.58	0.77
CV	74.50	61.79	48.41	27.34	28.16	27.33	41.03	7.14

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.80	5.20	7.20	11.65	10.40	9.20	5.40	10.70
MEAN	1.95	5.48	9.22	11.48	11.07	9.27	6.30	10.74
NOBS	32.00	33.00	23.00	14.00	16.00	9.00	5.00	5.00
SU	1.17	2.93	3.24	3.14	2.52	2.53	2.58	0.77
CV	60.20	53.48	35.18	27.34	22.79	27.33	41.03	7.14

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.75	5.20	7.20	11.65	10.40	9.20	5.40	10.70
MEAN	1.78	5.48	9.22	11.48	11.07	9.27	6.30	10.74
NOBS	30.00	33.00	23.00	14.00	16.00	9.00	5.00	5.00
SU	1.00	2.43	3.24	3.14	2.52	2.53	2.58	0.77
CV	56.01	53.48	35.18	27.34	22.79	27.33	41.03	7.14

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 47, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	9.4	9.3	11.8	13.8	12.3	7.6F	0.0	0.0
12	5.2	10.8	11.3	0.0	0.0	0.0	0.0	0.0
13	7.3	13.4	15.0	15.2	14.0	0.0	0.0	0.0
14	19.1F	14.8F	14.0F	0.0	0.0	0.0	0.0	0.0
15	9.5	14.4	14.2	12.6	13.7	13.9	0.0	0.0
16	18.1F	11.3	10.2	0.0	0.0	0.0	0.0	0.0
17	3.6	5.9	11.2	10.1	9.5	11.9	13.1	8.7
18	12.4	15.2	17.7	16.6	17.9	0.0	0.0	0.0
19	9.0	13.7	0.0	12.2	13.3	13.1	12.2	16.4
20	3.0	13.0	22.8S	0.0	0.0	0.0	0.0	0.0
21	7.9	10.0	11.4	11.4	13.3	0.0	0.0	0.0
22	3.8	10.1	11.4	14.9	13.1	0.0	0.0	0.0
23	10.1	12.4	12.3	18.1	16.1	10.1	13.8	9.1
24	7.1	9.3	9.7	10.8	13.0	0.0	0.0	0.0
25	7.6	11.2	11.7	13.3	13.7	0.0	0.0	0.0
26	6.1	6.9	12.2	0.0	0.0	0.0	0.0	0.0
27	5.9	11.3	15.8	17.8	18.6	14.6	13.0	13.0
28	11.3	17.4	0.0	19.8	20.4	0.0	0.0	0.0
29	5.5	4.5	5.8	13.1	14.6	14.1	13.3	12.3
30	2.7	8.2	14.0	0.0	0.0	0.0	0.0	0.0
31	6.5	15.2	17.0	15.7	15.4	15.4	0.0	0.0
32	8.5	13.5	17.7	0.0	0.0	0.0	0.0	0.0
33	7.2	15.4	18.6	18.9	17.4	0.0	0.0	0.0
34	2.9	8.1	9.3	0.0	0.0	0.0	0.0	0.0
35	11.8	14.3	17.5	20.2	19.3	14.1	0.0	0.0
36	8.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	8.9	17.3	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	NO	NO	NO	NO	NO	SKEN	NO	NO

FIRST ITERATION

MODE	7.60	11.30	12.30	14.90	14.00	13.90	13.10	12.30
MEAN	8.12	11.79	16.33	14.97	15.04	12.76	13.08	11.90
NOBS	27.00	27.00	23.00	17.00	17.00	8.00	5.00	5.00
SD	4.04	3.82	13.08	3.18	2.87	2.50	0.58	3.15
CV	49.71	32.39	79.99	21.25	19.07	19.56	4.44	26.47

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	7.30	11.30	12.25	14.90	14.00	13.50	13.10	12.30
MEAN	7.28	11.48	13.71	14.97	15.04	13.40	13.08	11.90
NOBS	25.00	26.00	22.00	17.00	17.00	8.00	5.00	5.00
SD	2.78	3.54	3.63	3.18	2.87	1.69	0.58	3.15
CV	38.20	30.80	26.47	21.25	19.07	12.58	4.44	26.47

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	7.30	11.30	12.20	14.90	14.00	13.50	13.10	12.30
MEAN	7.28	11.48	13.28	14.97	15.04	13.40	13.08	11.90
NOBS	25.00	26.00	21.00	17.00	17.00	8.00	5.00	5.00
SD	2.78	3.54	3.08	3.18	2.87	1.69	0.58	3.15
CV	38.20	30.80	23.22	21.25	19.07	12.58	4.44	26.47

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	15-30	30-45
11	5.4	8.9	10.6	24.8	22.6	10.3	0.0
12	5.1	17.3	20.8	10.0	0.0	0.0	0.0
13	4.3	9.0	16.0	15.4	22.0	0.0	0.0
14	3.7	17.7	20.9	0.0	0.0	0.0	0.0
15	5.2	9.3	38.3 F	23.0	21.8	20.6	0.0
16	15.6 S	23.2	25.3	0.0	0.0	0.0	0.0
17	9.2	17.4	21.4	19.4	23.5	23.9	18.3
18	10.4	17.5	16.8	21.1	25.2	0.0	14.7
19	8.2	16.6	13.2	21.6	23.4	22.0	16.0
20	4.2	13.2	22.6	0.0	0.0	0.0	0.0
21	9.1	14.3	17.3	23.1	22.4	0.0	0.0
22	19.1 F	19.2	22.2	24.6	22.3	0.0	0.0
23	4.1	15.9	20.5	22.5	22.4	32.6 A	22.7
24	4.5	22.3	23.5	23.5	25.0	0.0	0.0
25	10.9 F	20.3	23.2	23.9	25.0	0.0	0.0
26	8.8	19.0	17.8	0.0	0.0	0.0	0.0
27	5.2	10.4	14.0	15.3	18.2	8.8	14.4
28	3.5	8.7	8.0 S	18.1	19.2	0.0	0.0
29	0.7	8.1	14.9	19.3	18.4	10.1	21.9
30	1.9	2.7 A	22.5	0.0	0.0	0.0	0.0
31	1.4	2.5 A	12.5	15.7	22.3	16.0	0.0
32	13.4 S	7.1	20.4	0.0	0.0	0.0	0.0
33	1.8	10.2	16.3	18.8	19.3	0.0	0.0
34	2.4	11.6	11.3	0.0	0.0	0.0	0.0
35	2.1	11.6	12.7	16.4	16.9	16.3	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODUAL	SKEW	NO	NO	NO	SKEW	NO	SKEW

FIRST ITERATION							
MODE	5.10	13.20	17.20	21.10	22.40	16.30	18.30
MEAN	6.68	13.16	18.20	20.36	21.84	17.84	18.66
NOBS	25.00	25.00	25.00	17.00	17.00	9.00	5.00
SD	5.10	5.83	6.13	3.22	2.54	7.78	3.61
CV	76.40	44.29	33.68	15.83	11.64	43.58	19.35

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION							
MODE	4.50	13.20	17.00	21.10	22.40	16.30	18.30
MEAN	5.70	13.16	17.36	20.36	21.84	17.84	18.66
NOBS	23.00	25.00	24.00	17.00	17.00	9.00	5.00
SD	3.96	5.83	4.57	3.22	2.54	7.78	3.61
CV	69.44	44.29	26.33	15.83	11.64	43.58	19.35

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL							
MODE	4.30	13.20	16.80	21.10	22.40	16.30	18.30
MEAN	4.83	13.16	17.77	20.36	21.84	17.84	18.66
NOBS	21.00	25.00	23.00	17.00	17.00	9.00	5.00
SD	2.86	5.83	4.21	3.22	2.54	7.78	3.61
CV	59.08	44.29	23.67	15.83	11.64	43.58	19.35

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	8.5	11.4	11.0	16.3	14.2F	17.3	0.0	0.0
12	10.0	15.0	18.1	0.0	0.0	0.0	0.0	0.0
13	14.8F	18.3	20.1	19.6	21.6	0.0	0.0	0.0
14	6.6	12.4	15.5	0.0	0.0	0.0	0.0	0.0
15	14.4S	17.7	15.7	19.9	20.9	17.9	0.0	0.0
16	16.3F	12.0	17.7	0.0	0.0	0.0	0.0	0.0
17	5.3	12.0	10.6S	21.8	23.4	17.3	21.8	21.3
18	4.8	13.5	15.1	0.0	0.0	0.0	0.0	0.0
19	2.9	13.2	17.8	17.6	17.6S	19.9	16.8	16.5
20	0.1	13.4	15.4	0.0	0.0	0.0	0.0	0.0
21	0.0	14.3	18.2	20.2	20.3	0.0	0.0	0.0
22	3.3	15.2	18.3	20.4	20.4	0.0	0.0	0.0
23	4.3	16.2S	20.2	22.3	22.4	14.9	20.3	21.0
24	4.4	16.5	12.7	18.6	21.6	0.0	0.0	0.0
25	3.4	17.0	19.9	20.8	22.7	0.0	0.0	0.0
26	3.5	17.4	20.1	0.0	0.0	0.0	0.0	0.0
27	5.0	11.2	14.3	19.5	21.7	14.3	20.2	16.5
28	3.6	13.4	13.7F	13.7F	25.0	19.8	3.2A	16.1
29	3.6	13.3	20.4	0.0	0.0	0.0	0.0	0.0
30	3.5	13.6	14.2	18.3	22.6	20.9	0.0	0.0
31	0.0	13.2	13.7F	0.0	0.0	0.0	0.0	0.0
32	0.0	14.1	14.7	15.6	14.1F	0.0	0.0	0.0
33	0.0	18.0	19.7	0.0	0.0	0.0	0.0	0.0
34	12.1	18.0	18.4	16.3	24.0	14.7	0.0	0.0
35	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	SKEW	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	5.65	13.40	17.80	19.10	21.60	19.70	20.20	16.50
MEAN	6.75	13.45	16.26	18.69	20.72	19.11	16.46	18.28
NOBS	24.00	25.00	25.00	16.00	16.00	9.00	5.00	5.00
SD	4.02	3.61	3.94	2.48	3.04	1.29	7.64	2.63
CV	59.67	26.85	24.54	13.29	14.69	6.75	46.39	14.37

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.15	13.30	17.75	18.60	21.25	19.70	20.20	16.50
MEAN	5.95	13.75	16.80	19.02	21.66	19.11	16.46	18.28
NOBS	22.00	24.00	24.00	15.00	14.00	9.00	5.00	5.00
SD	3.10	3.35	3.00	2.17	1.76	1.29	7.64	2.63
CV	52.21	24.36	17.86	11.41	8.13	6.75	46.39	14.37

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.00	13.20	17.70	18.60	20.90	19.70	20.20	16.50
MEAN	5.54	14.06	17.07	19.02	21.97	19.11	16.46	18.28
NOBS	21.00	23.00	23.00	15.00	13.00	9.00	5.00	5.00
SD	2.52	3.07	2.76	2.17	1.37	1.29	7.64	2.63
CV	45.55	21.86	16.14	11.41	6.25	6.75	46.39	14.37

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220. FIELD NUMBER 52, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	0.8	13.5	12.7	0.0	0.0	18.7	0.0	0.0
12	2.0	14.0	19.4	0.0	0.0	0.0	0.0	0.0
13	2.6	15.2	17.6	0.0	0.0	0.0	0.0	0.0
14	2.5	15.2	13.6	0.0	0.0	0.0	0.0	0.0
15	1.3	15.5	14.25	0.0	0.0	15.8	0.0	0.0
16	2.7	13.8	17.1	0.0	0.0	18.0	0.0	0.0
17	2.1	4.3	13.0	0.0	0.0	17.2	0.0	0.0
18	1.3	5.4	10.1	0.0	0.0	0.0	0.0	0.0
19	2.7	15.6	19.3	0.0	0.0	15.2	0.0	0.0
20	1.1	11.7	15.5	0.0	0.0	0.0	0.0	0.0
21	0.4	2.6	7.7	0.0	0.0	0.0	0.0	0.0
22	0.2	1.5	11.8	0.0	0.0	0.0	0.0	0.0
23	10.8F	10.2	13.4	18.3	18.1	0.0	0.0	0.0
24	0.0	2.4	6.1	0.0	0.0	0.0	0.0	0.0
25	0.2	5.0	7.7	0.0	0.0	0.0	0.0	0.0
26	1.0	7.4	15.6	0.0	0.0	0.0	0.0	0.0
27	0.6	3.3	17.2	0.0	0.0	20.7	0.0	0.0
28	0.2	3.3	7.5	0.0	0.0	0.0	0.0	0.0
29	0.0	3.5	15.4	0.0	0.0	10.8	0.0	0.0
30	0.4	1.0	3.3F	0.0	0.0	10.0	0.0	0.0
31	7.1F	15.5	16.6	0.0	0.0	10.3	0.0	0.0
32	1.2	7.4	13.8	0.0	0.0	0.0	0.0	0.0
33	2.6	7.8	15.4	0.0	0.0	0.0	0.0	0.0
34	1.5	6.1	14.4	0.0	0.0	0.0	0.0	0.0
35	2.4	6.3	17.3	0.0	0.0	0.0F	0.0	0.0
36	0.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
38	3.65	4.2	0.0	0.0	0.0	0.0	0.0	0.0
39	1.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
42	1.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0
43	1.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
44	1.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0
45	0.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	SKEA	SKEA	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	1.30	5.30	13.60	18.30	18.10	17.00	0.0	0.0
MEAN	1.87	7.33	12.33	18.30	18.10	16.66	0.0	0.0
NOBS	34.00	35.00	25.00	1.00	1.00	8.00	0.0	0.0
SD	2.05	4.84	4.34	0.0	0.0	3.34	0.0	0.0
CV	109.34	66.05	35.17	0.0	0.0	20.35	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	1.30	5.30	13.30	0.0	0.0	16.80	0.0	0.0
MEAN	1.43	7.33	12.71	0.0	0.0	17.67	0.0	0.0
NOBS	32.00	35.00	24.00	0.0	0.0	7.00	0.0	0.0
SD	0.90	4.84	3.99	0.0	0.0	1.98	0.0	0.0
CV	63.03	66.05	31.42	0.0	0.0	11.19	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.30	5.30	13.00	0.0	0.0	16.80	0.0	0.0
MEAN	1.36	7.33	13.66	0.0	0.0	17.67	0.0	0.0
NOBS	31.00	35.00	23.00	0.0	0.0	7.00	0.0	0.0
SD	0.82	4.84	3.64	0.0	0.0	1.98	0.0	0.0
CV	60.54	66.05	27.81	0.0	0.0	11.19	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 53, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.00	3.60	9.30	10.10	12.30	10.80	0.00	0.00
12	2.00	3.10	12.40	0.00	0.00	0.00	0.00	0.00
13	2.00	6.50	8.60	7.20	8.70	0.00	0.00	0.00
14	3.00	8.10	0.00	0.00	0.00	0.00	0.00	0.00
15	3.00	0.00	0.00	9.00	8.30	4.00	0.00	0.00
16	3.00	0.00	6.40	0.00	0.00	0.00	0.00	0.00
17	1.00	0.00	2.40	0.00	10.40	4.20	14.30	12.10
18	1.00	0.00	7.00	0.00	15.10	0.00	0.00	0.00
19	1.00	3.50	4.40	3.00	10.00	7.50	8.40	4.00
20	0.60	0.00	10.30	0.00	0.00	0.00	0.00	0.00
21	5.00	0.00	8.70	0.00	13.00	0.00	0.00	0.00
22	4.00	7.00	7.30	10.00	10.20	0.00	0.00	0.00
23	4.00	7.00	7.80	12.00	11.70	7.00	11.00	4.00
24	2.00	0.00	7.00	7.00	10.30	0.00	0.00	0.00
25	3.00	0.00	6.50	7.00	10.80	0.00	0.00	0.00
26	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	2.00	0.00	0.00	8.10	12.20	7.60	11.20	11.60
28	4.00	7.30	9.20	10.80	10.10	0.00	0.00	0.00
29	4.00	5.50	2.00	9.70	12.00	12.00	14.50	14.60
30	2.00	5.00	2.00	0.00	10.00	10.00	0.00	0.00
31	4.00	1.00	2.00	0.00	12.80	11.70	0.00	0.00
32	4.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00
33	5.00	5.00	10.00	11.30	12.00	0.00	0.00	0.00
34	4.00	0.00	7.00	0.00	10.00	0.00	0.00	0.00
35	8.70	0.00	12.50	13.50	14.20	13.30	0.00	0.00
36	2.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
37	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	1.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
ANOMALOUS	NO	NO	SKW	NO	NO	NO	SKW	NO

FIRST ITERATION

MODE	3.85	6.30	8.90	9.00	11.70	9.30	11.20	11.80
MEAN	3.91	6.57	9.99	9.56	11.52	10.01	11.96	10.48
NOBS	34.00	33.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	1.69	2.34	4.64	2.66	1.87	2.26	2.42	3.70
CV	43.31	35.65	46.50	27.87	16.26	22.56	20.23	35.28

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.70	6.30	8.80	9.00	11.70	9.30	11.20	11.80
MEAN	3.61	6.15	9.16	9.97	11.52	10.01	11.96	10.48
NOBS	32.00	31.00	23.00	16.00	17.00	9.00	5.00	5.00
SD	1.20	1.68	2.47	2.13	1.87	2.26	2.42	3.70
CV	33.36	27.34	26.95	21.34	16.26	22.56	20.23	35.28

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.70	6.20	8.75	9.00	11.70	9.30	11.20	11.80
MEAN	3.61	6.15	8.85	9.66	11.52	10.01	11.96	10.48
NOBS	32.00	29.00	22.00	15.00	17.00	9.00	5.00	5.00
SD	1.20	1.48	1.97	1.79	1.87	2.26	2.42	3.70
CV	33.36	24.00	22.26	16.55	16.26	22.56	20.23	35.28

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 54, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.5	9.8	8.1	17.7	17.1	9.5F	0.0	0.0
12	2.0	7.3	15.0	0.0	0.0	0.0	0.0	0.0
13	2.0	4.8	11.2	15.8	13.7	0.0	0.0	0.0
14	21.7F	14.45	14.8	0.0	0.0	0.0	0.0	0.0
15	13.75	14.25	14.0	20.7	21.0	13.1	0.0	0.0
16	2.1	4.4	4.5	0.0	0.0	0.0	0.0	0.0
17	2.5	4.4	10.3	13.0	16.4	13.8	17.9	20.1
18	2.1	4.4	14.3	14.3	21.2	0.0	0.0	0.0
19	2.3	8.5	5.25	14.4	19.0	16.1	14.3	15.0
20	2.1	7.2	3.8F	0.0	0.0	0.0	0.0	0.0
21	5.4	0.0	17.3	19.4	21.2	0.0	0.0	0.0
22	5.7	11.2	14.8	15.5	19.4	0.0	0.0	0.0
23	4.7	14.8	18.4	19.5	19.1	17.1	19.8	15.5
24	14.4	21.1F	22.4A	22.0	22.6	0.0	0.0	0.0
25	11.6	11.1	14.5	20.3	21.8	0.0	0.0	0.0
26	2.0	14.4	15.4	0.0	0.0	0.0	0.0	0.0
27	2.2	3.0	18.5	11.3F	13.1	15.4	12.5	20.4
28	2.3	4.9	12.7	15.8	14.4	0.0	0.0	0.0
29	2.4	7.2	17.7	15.2	14.4	15.4	19.0	13.2
30	2.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3.9	15.8	17.4	20.5	20.5	16.6	0.0	0.0
32	0.0	15.5	18.3	0.0	0.0	0.0	0.0	0.0
33	5.1	4.7	14.9	17.2	19.1	0.0	0.0	0.0
34	10.4	15.1	15.2	0.0	0.0	0.0	0.0	0.0
35	4.5	12.2	14.6	16.8	17.8	16.7	0.0	0.0
36	1.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0
37	1.4	11.2	0.0	0.0	0.0	0.0	0.0	0.0
38	1.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0
39	1.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0
40	8.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	1.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	3.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0
45	4.3	10.8	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	SKEW	NO	SKEW	NO	SKEW	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	2.30	9.80	14.85	17.20	19.10	15.90	17.90	15.80
MEAN	4.70	9.98	14.04	17.28	18.41	14.91	16.70	17.02
NOBS	33.00	32.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	4.54	5.11	4.53	2.43	2.47	2.43	3.15	3.12
CV	10.64	51.15	32.18	16.98	16.16	16.30	18.87	18.35

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.25	9.80	14.80	17.00	19.10	15.65	17.90	15.80
MEAN	4.17	9.52	14.49	17.65	18.41	15.59	16.70	17.02
NOBS	32.00	31.00	23.00	16.00	17.00	8.00	5.00	5.00
SD	3.42	4.76	4.19	2.58	2.97	1.43	3.15	3.12
CV	82.03	49.49	26.94	14.61	16.16	9.18	18.87	18.35

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.20	9.70	14.80	17.00	19.10	15.65	17.90	15.80
MEAN	3.86	8.44	14.91	17.65	18.41	15.59	16.70	17.02
NOBS	31.00	29.00	22.00	16.00	17.00	8.00	5.00	5.00
SD	3.00	4.04	3.76	2.58	2.97	1.43	3.15	3.12
CV	77.53	45.81	25.21	14.61	16.16	9.18	18.87	18.35

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 220, FIELD NUMBER 56, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	3.9	4.6	17.9	19.4	22.0	18.4	24.9	24.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	4.0	15.5	19.7	21.0	22.2	19.1	23.4	21.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	7.8	18.2	19.8	20.1	20.6	20.2	22.3	20.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	SKEW	SKEW	SKEW	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	4.00	15.80	19.70	20.10	22.00	19.10	23.40	21.40
MEAN	5.23	14.60	19.13	20.17	21.60	19.23	23.53	21.93
NOBS	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
SD	2.22	4.33	1.07	0.80	0.87	0.91	1.31	2.25
CV	42.48	29.63	5.59	3.98	4.04	4.72	5.55	10.25

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.00	15.80	19.70	20.10	22.00	19.10	23.40	21.40
MEAN	5.23	14.60	19.13	20.17	21.60	19.23	23.53	21.93
NOBS	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
SD	2.22	4.33	1.07	0.80	0.87	0.91	1.31	2.25
CV	42.48	29.63	5.59	3.98	4.04	4.72	5.55	10.25

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.00	15.80	19.70	20.10	22.00	19.10	23.40	21.40
MEAN	5.23	14.60	19.13	20.17	21.60	19.23	23.53	21.93
NOBS	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
SD	2.22	4.33	1.07	0.80	0.87	0.91	1.31	2.25
CV	42.48	29.63	5.59	3.98	4.04	4.72	5.55	10.25

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 2, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	11.4	15.8	18.2	20.5	23.8	15.4	0.0	0.0
12	10.7	13.6	13.3	0.0	0.0	0.0	0.0	0.0
13	3.9A	9.7	15.0	14.3	14.5	0.0	0.0	0.0
14	12.7	16.0	16.8	0.0	0.0	0.0	0.0	0.0
15	14.8	17.8	19.6	21.1	22.6	19.6	0.0	0.0
16	11.1	19.8	19.6	0.0	0.0	0.0	0.0	0.0
17	12.7	18.5	19.5	21.5	20.8	22.8	17.4	16.4
18	10.2	16.6	21.4	18.4	20.7	0.0	0.0	0.0
19	9.4	11.7	14.4	17.9	18.7	19.4	31.3	16.2
20	12.4	18.0	18.7	0.0	0.0	0.0	0.0	0.0
21	21.7A	19.8	21.2	31.1	18.4	0.0	0.0	0.0
22	0.0	24.0	0.0	24.7	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0
24	40.5	21.2	24.3	0.0	0.0	0.0	0.0	0.0
25	0.0	34.3	36.6	35.0	33.5	0.0	0.0	0.0
26	31.7	29.2	0.0	0.0	0.0	0.0	0.0	0.0
27	30.4	31.2	31.6	33.1	19.4	31.2	23.6	18.6
28	32.3	33.4	33.9	33.9	34.2	0.0	0.0	0.0
29	38.6	36.1	35.4	34.2	35.6	31.4	25.0	20.5
30	36.9	35.2	36.1	0.0	0.0	0.0	0.0	0.0
31	34.8	34.1	0.0	26.1	31.5	25.4	0.0	0.0
32	24.2	29.3	31.1	0.0	0.0	0.0	0.0	0.0
33	34.7	33.1	32.9	99.2F	0.0	0.0	0.0	0.0
34	32.8	31.8	34.1	0.0	0.0	0.0	0.0	0.0
35	37.1	35.4	35.5	37.7	31.2	27.4	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	YES	NO	YES	NO	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	25.45	23.60	21.40	26.10	21.70	24.10	24.30	17.50
MEAN	23.18	24.48	25.45	31.28	24.68	24.07	24.32	17.92
NUMS	22.00	24.00	21.00	15.00	14.00	8.00	4.00	4.00
SD	12.16	8.68	8.40	20.17	6.99	5.81	5.70	2.03
CV	52.44	35.46	33.02	64.47	28.34	24.12	23.45	11.34

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	25.45	23.60	21.40	25.40	21.70	24.10	24.30	17.50
MEAN	23.18	24.48	25.45	26.43	24.68	24.07	24.32	17.92
NUMS	22.00	24.00	21.00	14.00	14.00	8.00	4.00	4.00
SD	12.16	8.68	8.40	7.60	6.99	5.81	5.70	2.03
CV	52.44	35.46	33.02	28.75	28.34	24.12	23.45	11.34

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	25.45	23.60	21.40	25.40	21.70	24.10	24.30	17.50
MEAN	23.18	24.48	25.45	26.43	24.68	24.07	24.32	17.92
NUMS	22.00	24.00	21.00	14.00	14.00	8.00	4.00	4.00
SD	12.16	8.68	8.40	7.60	6.99	5.81	5.70	2.03
CV	52.44	35.46	33.02	28.75	28.34	24.12	23.45	11.34

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	28.7	28.7	32.4S	30.5	26.3	37.2	0.0	0.0
12	25.1	23.9	24.9	0.0	0.0	0.0	0.0	0.0
13	26.0	28.5	28.6	28.6	28.8	0.0	0.0	0.0
14	25.0	24.6	24.5	0.0	0.0	0.0	0.0	0.0
15	21.7	23.2	23.1	25.1	25.6	26.2	0.0	0.0
16	41.1F	29.9	27.9	0.0	0.0	0.0	0.0	0.0
17	25.7	24.4	25.3	26.5	25.1	25.8	22.6	23.4
18	24.2	23.8	40.2F	23.7	21.8	0.0	0.0	0.0
19	21.7	26.5	27.2	25.7	27.9	27.9	24.7	26.5
20	25.0	24.4	24.9	0.0	0.0	0.0	0.0	0.0
21	15.5	18.3	18.6	15.5S	19.6	0.0	0.0	0.0
22	15.8	24.8	26.7	26.2S	24.9	0.0	0.0	0.0
23	18.4	26.7	27.5	22.5	28.5	26.4	27.6	26.9
24	28.0	35.7F	36.7F	37.6F	38.9F	0.0	0.0	0.0
25	13.2S	14.6	23.4	24.4	0.0	0.0	0.0	0.0
26	20.4	24.1	25.6	0.0	0.0	0.0	0.0	0.0
27	19.3	22.0	24.9	22.4	24.3	19.1	14.7	20.4
28	16.5	20.0	20.6	14.4	21.6	0.0	0.0	0.0
29	17.8	17.4	17.9	18.8	20.7	14.3	15.9	18.5
30	17.5	14.4	20.5	0.0	0.0	0.0	0.0	0.0
31	22.2	23.0	25.1	24.7	23.4	33.7	0.0	0.0
32	21.6	25.6	27.0	0.0	0.0	0.0	0.0	0.0
33	20.2	21.5	20.4	21.9	19.4	0.0	0.0	0.0
34	15.6	17.0	18.1	0.0	0.0	0.0	0.0	0.0
35	28.1	28.3	23.1	23.9	23.5	16.9	0.0	0.0
36	28.1	29.3	0.0	0.0	0.0	0.0	0.0	0.0
37	23.5	28.1	0.0	0.0	0.0	0.0	0.0	0.0
38	25.5	26.4	0.0	0.0	0.0	0.0	0.0	0.0
39	23.0	23.2	0.0	0.0	0.0	0.0	0.0	0.0
40	15.4	20.3	0.0	0.0	0.0	0.0	0.0	0.0
41	13.1S	18.1	0.0	0.0	0.0	0.0	0.0	0.0
42	24.1	24.3	0.0	0.0	0.0	0.0	0.0	0.0
43	22.4	23.6	0.0	0.0	0.0	0.0	0.0	0.0
44	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	22.2	25.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	SKEW	NO	SKEW

FIRST ITERATION								
MODE	22.80	24.00	24.90	24.70	24.60	26.20	22.60	23.80
MEAN	22.69	23.94	25.42	24.70	25.02	25.28	22.10	23.22
NOBS	35.00	34.00	25.00	17.00	16.00	9.00	5.00	5.00
SD	5.41	3.95	5.25	4.91	4.74	7.51	4.51	3.70
CV	23.83	16.54	20.67	19.06	18.93	29.71	20.42	15.95

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	22.50	23.90	24.90	24.30	24.30	26.20	22.60	23.80
MEAN	22.15	23.62	24.24	23.89	24.09	25.28	22.10	23.22
NOBS	34.00	33.00	23.00	16.00	15.00	9.00	5.00	5.00
SD	4.42	3.45	3.61	3.73	3.06	7.51	4.51	3.70
CV	19.97	14.60	14.83	15.59	12.70	29.71	20.42	15.95

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	22.20	23.90	24.90	23.90	24.30	26.20	22.60	23.80
MEAN	22.71	23.62	23.92	24.45	24.09	25.28	22.10	23.22
NOBS	32.00	33.00	22.00	15.00	15.00	9.00	5.00	5.00
SD	3.91	3.45	3.22	3.08	3.06	7.51	4.51	3.70
CV	17.21	14.60	13.48	12.61	12.70	29.71	20.42	15.95

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 4, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.2	6.75	6.9	10.1	14.4	10.4	0.0	0.0
12	2.7	3.3	5.8	0.0	0.0	0.0	0.0	0.0
13	1.7	3.2	7.0	5.9	14.2	0.0	0.0	0.0
14	1.7	2.0	3.8	0.0	0.0	0.0	0.0	0.0
15	3.7	3.8	9.4F	1.6F	10.2	8.6	0.0	0.0
16	1.4	2.4	5.8	0.0	0.0	0.0	0.0	0.0
17	4.4F	8.4F	5.0	10.3	11.3	9.5	15.2	10.5
18	3.7	7.5F	5.5	14.1	14.5	0.0	0.0	0.0
19	1.9	0.25	7.8	10.4	11.1	9.3	12.3	10.8
20	1.4	2.5	4.6	0.0	0.0	0.0	0.0	0.0
21	0.15	2.4	5.7	11.4	19.3F	0.0	0.0	0.0
22	0.5	2.3	5.8	1.85	9.2	0.0	0.0	0.0
23	4.05	5.1	4.4	9.7	12.6	9.6	13.3	12.9
24	3.2	5.5	0.0	12.4	16.4	0.0	0.0	0.0
25	1.8	3.1	5.0	9.4	13.4	0.0	0.0	0.0
26	2.7	3.1	6.7	0.0	0.0	0.0	0.0	0.0
27	2.6	3.0	5.9	11.0	12.7	12.9	16.5	13.8
28	2.1	3.4	6.2	7.5	8.8	0.0	0.0	0.0
29	1.6	2.8	4.1	7.0	9.4	11.5	0.0	8.4
30	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
31	1.4	2.2	4.8	9.0	12.0	11.7	0.0	0.0
32	1.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0
33	2.0	3.2	7.3	0.0	12.9	0.0	0.0	0.0
34	2.1	2.5	5.8	0.0	0.0	0.0	0.0	0.0
35	4.8F	3.1	0.0	0.0	12.6	0.0	0.0	0.0
36	1.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
37	1.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
38	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
39	1.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	2.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0
42	1.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0
43	1.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0
45	1.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	SKEW	SKEW	NO	SKEW	NO	NO

FIRST ITERATION								
MODE	1.90	3.10	5.80	9.70	12.60	10.00	14.25	10.80
MEAN	2.19	3.74	5.05	5.77	12.73	10.47	14.32	11.28
NOBS	33.00	32.00	23.00	15.00	17.00	8.00	4.00	5.00
SD	1.05	1.67	1.47	3.53	2.63	1.44	1.88	2.13
CV	48.05	44.04	24.34	40.24	21.12	13.71	13.15	18.86

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	1.90	3.10	5.80	9.55	12.60	10.00	14.25	10.80
MEAN	2.04	3.51	5.90	9.29	12.26	10.47	14.32	11.28
NOBS	31.00	30.00	22.00	14.00	16.00	8.00	4.00	5.00
SD	0.83	1.29	1.31	3.03	2.13	1.44	1.88	2.13
CV	43.41	36.83	22.24	32.64	17.37	13.71	13.15	18.86

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.80	3.05	5.80	9.40	12.60	10.00	14.25	10.80
MEAN	2.04	3.30	5.90	9.86	12.26	10.47	14.32	11.28
NOBS	29.00	28.00	22.00	13.00	16.00	8.00	4.00	5.00
SD	0.75	1.05	1.31	2.22	2.13	1.44	1.88	2.13
CV	36.96	31.85	22.24	22.49	17.37	13.71	13.15	18.86

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.0	4.5	8.1	8.1	8.4	8.4	0.0	0.0
12	3.5	3.9	5.3	0.0	0.0	0.0	0.0	0.0
13	4.3	4.9	7.4	9.1	0.0	0.0	0.0	0.0
14	5.4	9.6	10.4	0.0	0.0	0.0	0.0	0.0
15	5.6	6.1	6.5	7.2	8.1	8.3	0.0	0.0
16	4.4	4.5	4.9	0.0	0.0	0.0	0.0	0.0
17	3.7	3.8	4.7	6.8	7.7	8.7	9.5	9.8
18	5.1	5.6	7.5	8.8	10.0	0.0	0.0	0.0
19	4.4	5.9	7.2	8.3	9.4	9.4	8.7	8.3
20	5.0	7.9	8.2	0.0	0.0	0.0	0.0	0.0
21	7.2	7.9	9.2	9.4	9.3	0.0	0.0	0.0
22	11.1 F	12.5	12.5	13.4	14.3	0.0	0.0	0.0
23	8.0	9.9	10.6	11.9	11.7	10.1	12.5	9.2
24	4.8 S	10.4	11.6	12.0	13.3	0.0	0.0	0.0
25	3.5	9.8	11.4	12.2	12.1	0.0	0.0	0.0
26	3.9	4.4	4.6	0.0	0.0	0.0	0.0	0.0
27	4.7	4.5	11.1	12.1	13.5	4.1	10.0	10.0
28	7.4	11.1	12.3	13.2	13.7	0.0	0.0	0.0
29	8.4	8.3	10.1	12.0	15.1	10.5	11.3	9.9
30	7.8	10.9	11.0	0.0	0.0	0.0	0.0	0.0
31	5.0	6.1	8.5	10.2	11.0	9.8	0.0	0.0
32	8.7	11.1	12.5	0.0	0.0	0.0	0.0	0.0
33	5.3	5.9	7.4	8.5	10.3	0.0	0.0	0.0
34	7.3	8.2	7.6	0.0	0.0	0.0	0.0	0.0
35	6.0	5.5	8.0	9.3	8.9	13.2	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMUDAL	5.60	7.90	8.20	9.80	10.65	8.75	10.00	9.60
NO	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	5.80	7.90	8.20	9.80	10.65	8.75	10.00	9.60
MEAN	6.23	7.62	8.67	10.21	11.08	9.34	10.40	9.34
NOBS	25.00	25.00	25.00	17.00	16.00	9.00	5.00	5.00
SD	2.08	2.62	2.55	2.09	2.37	1.83	1.51	0.65
CV	33.42	34.40	29.43	20.50	21.37	19.53	14.49	6.42

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	5.70	7.90	8.20	9.80	10.65	8.75	10.00	9.60
MEAN	6.02	7.62	8.67	10.21	11.08	8.91	10.40	9.34
NOBS	24.00	25.00	25.00	17.00	16.00	8.00	5.00	5.00
SD	1.85	2.62	2.55	2.09	2.37	1.23	1.51	0.65
CV	30.81	34.40	29.43	20.50	21.37	13.77	14.49	6.42

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	5.60	7.90	8.20	9.80	10.65	8.75	10.00	9.60
MEAN	5.86	7.62	8.67	10.21	11.08	8.91	10.40	9.34
NOBS	23.00	25.00	25.00	17.00	16.00	8.00	5.00	5.00
SD	1.71	2.62	2.55	2.09	2.37	1.23	1.51	0.65
CV	29.19	34.40	29.43	20.50	21.37	13.77	14.49	6.92

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	6.6	11.2	14.4	16.7	16.3	20.0	0.0	0.0
12	4.0	6.5	16.8	0.0	0.0	0.0	0.0	0.0
13	2.7	10.1	13.3	17.6	17.9	0.0	0.0	0.0
14	3.2	8.6	15.5	0.0	0.0	0.0	0.0	0.0
15	3.4	8.6	13.7	15.3	16.2	17.1	0.0	0.0
16	1.5	7.3	13.1	0.0	0.0	0.0	0.0	0.0
17	4.1	12.1	15.6	15.7	17.0	11.2	17.3	19.1
18	2.0	3.7	9.9	14.1	15.4	0.0	0.0	0.0
19	2.4	4.9	6.5	12.5	14.3	3.5	14.5	13.1
20	0.1	1.5	3.1	0.0	0.0	0.0	0.0	0.0
21	0.4	0.4	4.4	7.1	12.8	0.0	0.0	0.0
22	0.5	2.1	5.4	8.8	14.3	0.0	0.0	0.0
23	1.2	0.2	2.6	5.0	13.3	0.4	13.4	11.2
24	1.0	6.5	15.3	0.0	15.2	0.0	0.0	0.0
25	1.8	7.0	11.4	16.0	16.3	0.0	0.0	0.0
26	5.2	15.0	16.5	0.0	0.0	0.0	0.0	0.0
27	27.6	12.7	14.5	14.0	18.9	14.7	18.0	16.2
28	3.8	12.1	14.6	17.4	18.7	0.0	0.0	0.0
29	14.1	14.4	17.7	17.4	19.3	12.9	7.2	24.4
30	3.4	14.8	16.8	0.0	0.0	0.0	0.0	0.0
31	6.1	7.2	19.3	20.5	21.8	11.6	0.0	0.0
32	0.6	11.7	18.1	0.0	0.0	0.0	0.0	0.0
33	7.2	16.1	14.5	25.9	24.1	0.0	0.0	0.0
34	0.6	6.7	13.7	0.0	0.0	0.0	0.0	0.0
35	2.0	10.2	16.7	19.4	21.0	13.5	0.0	0.0
36	9.6	15.5	0.0	0.0	0.0	0.0	0.0	0.0
37	2.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0
38	2.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0
39	4.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0
40	4.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
41	7.7	16.5	0.0	0.0	0.0	0.0	0.0	0.0
42	3.4	16.2	0.0	0.0	0.0	0.0	0.0	0.0
43	3.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0
44	3.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0
45	4.6	12.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKW	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	3.40	8.60	14.50	15.65	17.00	12.90	14.50	16.20
MEAN	4.67	8.64	13.14	15.21	17.31	11.66	14.08	16.80
NOBS	35.00	35.00	25.00	16.00	17.00	9.00	5.00	5.00
SD	4.98	4.85	5.01	5.16	3.09	6.19	4.29	5.21
CV	106.60	56.14	38.15	33.92	17.87	53.14	30.49	31.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.40	8.60	14.40	15.70	16.65	12.90	14.50	16.20
MEAN	4.00	8.64	14.03	14.50	16.88	11.66	14.08	16.80
NOBS	34.00	35.00	23.00	15.00	16.00	9.00	5.00	5.00
SD	3.02	4.85	4.12	4.45	2.63	6.19	4.29	5.21
CV	75.67	56.14	29.34	30.71	15.60	53.14	30.49	31.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.40	8.60	13.70	15.50	16.65	12.90	14.50	16.20
MEAN	3.69	8.64	14.90	15.18	16.88	11.66	14.08	16.80
NOBS	33.00	35.00	21.00	14.00	16.00	9.00	5.00	5.00
SD	2.48	4.85	3.08	3.73	2.63	6.19	4.29	5.21
CV	67.18	56.14	20.67	24.57	15.60	53.14	30.49	31.00

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 7, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.1	2.1	4.0	5.1	7.5	5.9	0.0	0.0
12	1.4	3.6	5.3	0.0	0.0	0.0	0.0	0.0
13	0.0	4.1	5.6	4.8	6.2	0.0	0.0	0.0
14	0.8	2.5	1.3F	0.0	0.0	0.0	0.0	0.0
15	0.0	1.5	3.5	5.8	6.1	6.6	0.0	0.0
16	2.2	7.1	7.4	0.0	0.0	0.0	0.0	0.0
17	1.8	2.5	6.5	7.9	8.9	2.4	5.4	8.0
18	0.1	3.0	3.8	5.7	7.1	0.0	0.0	0.0
19	3.2	4.1F	8.3	10.0	10.3	13.1	11.8	9.2
20	2.1	0.0	5.4	0.0	0.0	0.0	0.0	0.0
21	1.4	2.6	5.5	8.7	8.5	0.0	0.0	0.0
22	0.4	0.35	2.2	3.6	8.4	0.0	0.0	0.0
23	0.9	4.8	6.3	8.0	9.3	9.4	11.8	10.5
24	3.1	5.2	7.7	8.4	9.1	0.0	0.0	0.0
25	2.5	3.9	7.0	7.4	8.4	0.0	0.0	0.0
26	3.8	4.1	6.4	0.0	0.0	0.0	0.0	0.0
27	3.2	3.3	3.4	7.0	7.1	8.7	12.5	11.2
28	3.3	4.2	8.7	12.4	10.2	0.0	0.0	0.0
29	3.6	4.0	5.3	6.9	8.1	8.0	10.0	11.3
30	3.6	7.25	5.1	0.0	0.0	0.0	0.0	0.0
31	2.6	4.1	7.6	12.6	12.8F	13.6	0.0	0.0
32	2.2	2.9	4.1	0.0	0.0	0.0	0.0	0.0
33	3.0	4.6	9.4	11.7	11.1	0.0	0.0	0.0
34	2.5	4.4	7.6	0.0	0.0	0.0	0.0	0.0
35	2.2	1.0	5.6	6.6	5.7	6.9	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RIMODAL	NO	NO	NO	NO	NO	NO	NO	SKEN

FIRST ITERATION								
MODE	2.30	4.10	6.30	7.40	7.50	8.00	11.80	10.50
MEAN	2.20	3.95	5.87	7.86	8.16	8.24	10.30	10.04
NOBS	24.00	25.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	1.07	1.99	2.19	2.58	2.03	3.50	2.89	1.42
CV	48.75	50.31	37.34	32.81	24.84	42.23	28.07	14.10

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.30	4.00	5.95	7.40	7.30	8.00	11.80	10.50
MEAN	2.20	3.73	6.06	7.86	7.87	8.29	10.30	10.04
NOBS	24.00	24.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	1.07	1.71	2.02	2.58	1.69	3.50	2.89	1.42
CV	48.75	45.74	33.27	32.81	21.50	42.23	28.07	14.10

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.30	3.75	5.95	7.40	7.30	8.00	11.80	10.50
MEAN	2.20	3.73	6.06	7.86	7.87	8.29	10.30	10.04
NOBS	24.00	22.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	1.07	1.44	2.02	2.58	1.69	3.50	2.89	1.42
CV	48.75	38.45	33.27	32.81	21.50	42.23	28.07	14.10

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.6	4.6	5.4	7.2	7.1	7.3	0.0	0.0
12	4.5	4.2	6.2	0.0	0.0	0.0	0.0	0.0
13	4.6	5.2	7.4	8.4	8.8	0.0	0.0	0.0
14	5.2	0.7	8.1	0.0	0.0	0.0	0.0	0.0
15	4.1	4.4	5.4	6.2	6.8	7.3	0.0	0.0
16	5.1	5.7	8.2	0.0	0.0	0.0	0.0	0.0
17	7.0 ^F	8.5 ^S	8.2	8.4	9.0	8.0	4.4	9.7
18	6.2	6.2	8.0	8.7	8.9	0.0	0.0	0.0
19	4.6	6.2	8.8	7.3	7.5	6.9	9.1	9.9
20	4.0	5.8	9.3 ^F	0.0	0.0	0.0	0.0	0.0
21	5.2	5.6	7.5	9.5	10.0	0.0	0.0	0.0
22	4.7	4.7	6.8	7.1	7.4	0.0	0.0	0.0
23	5.5	7.5	8.1	9.6	10.1	7.5	9.2	4.8
24	7.0	8.2	9.0	9.5	11.2 ^F	0.0	0.0	0.0
25	5.6	6.5	7.1	8.3	9.3 ^F	0.0	0.0	0.0
26	5.6	6.1	8.4	0.0	0.0	0.0	0.0	0.0
27	5.6	6.0	8.7	8.1	8.0	7.6	4.6	9.7
28	6.4	7.0	8.3	7.9	8.1	0.0	0.0	0.0
29	6.6	6.5	8.8	4.1	9.4	7.6	9.4	10.3
30	6.2	6.8	7.2	0.0	0.0	0.0	0.0	0.0
31	6.8	5.4	7.6	8.0	8.3	8.6 ^F	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	4.5	5.2	5.9	6.8	7.9	0.0	0.0	0.0
34	4.4	5.6	6.4	0.0	0.0	0.0	0.0	0.0
35	6.2	5.4 ^F	7.5	7.6	8.1	7.5	0.0	0.0
36	6.0	8.6 ^F	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0
39	7.4 ^S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	6.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
42	4.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0
43	4.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0
44	3.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0
45	5.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	5.35	6.00	7.30	8.10	8.30	7.50	9.40	9.80
MEAN	5.42	6.16	7.01	8.11	8.61	7.59	9.44	9.88
NOBS	32.00	33.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	1.05	1.21	1.57	0.99	1.15	0.48	0.32	0.25
CV	19.36	19.68	22.46	12.17	13.31	6.34	3.40	2.52

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.20	5.95	7.20	8.10	8.20	7.50	9.40	9.80
MEAN	5.35	6.08	7.26	8.11	8.45	7.46	9.44	9.88
NOBS	31.00	32.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	0.99	1.15	1.02	0.99	0.96	0.32	0.32	0.25
CV	18.45	18.88	14.08	12.17	11.39	4.23	3.40	2.52

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.20	5.90	7.20	8.10	8.20	7.50	9.40	9.80
MEAN	5.28	6.01	7.26	8.11	8.45	7.46	9.44	9.88
NOBS	30.00	31.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	0.93	1.08	1.02	0.99	0.96	0.32	0.32	0.25
CV	17.55	17.95	14.08	12.17	11.39	4.23	3.40	2.52

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 4, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.4	7.7	14.3	17.0	22.1	15.0	0.0	0.0
12	10.7F	17.2F	20.0	0.0	0.0	0.0	0.0	0.0
13	2.6	10.0	16.8	19.3	19.4	0.0	0.0	0.0
14	3.7	10.3	17.0	0.0	0.0	0.0	0.0	0.0
15	3.1	4.3	16.2	21.4	22.5	16.6	0.0	0.0
16	3.3	9.8	16.8	0.0	0.0	0.0	0.0	0.0
17	4.0	4.4	15.8	18.5	11.1F	10.0	18.3	15.1
18	3.1	5.5	14.7	21.7	23.1	0.0	0.0	0.0
19	7.4S	11.1	36.2F	17.9	20.6	13.4	19.2	14.9
20	2.0	3.1	8.8	0.0	0.0	0.0	0.0	0.0
21	2.4	4.3	13.1	14.4	16.4	0.0	0.0	0.0
22	8.9S	15.3S	17.0	17.8	18.1	0.0	0.0	0.0
23	7.2S	8.3	11.7	14.5	15.2S	18.6	12.6	21.2
24	6.5S	10.4	14.3	16.5	17.8	0.0	0.0	0.0
25	3.9	11.7	16.4	19.0	20.7	0.0	0.0	0.0
26	2.9	3.4	10.4	0.0	0.0	0.0	0.0	0.0
27	4.4	6.8	12.2	18.4	22.0	20.2	20.4	20.8
28	2.5	4.2	12.2	12.6S	18.0	0.0	0.0	0.0
29	1.5	6.8	15.2	18.7	20.5	16.4	16.7	22.7
30	2.7	7.6	14.6	0.0	0.0	0.0	0.0	0.0
31	2.1	3.0	11.7	19.1	21.3	2.1A	0.0	0.0
32	2.8	5.3	9.8	0.0	0.0	0.0	0.0	0.0
33	2.1	6.0	8.1	14.9	18.4	0.0	0.0	0.0
34	2.2	4.4	14.0	0.0	0.0	0.0	0.0	0.0
35	1.7F	15.4F	19.0	10.2F	30.2F	6.4	0.0	0.0
36	1.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
37	3.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0
38	1.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0
39	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0
41	1.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
42	4.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
43	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
44	3.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
45	2.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	3.10	6.80	14.60	17.90	20.50	15.00	18.30	20.40
MEAN	3.81	7.38	15.05	17.21	19.94	13.47	17.44	19.94
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.56	4.08	5.35	3.03	4.00	5.73	3.02	2.89
CV	67.18	59.30	35.55	17.59	20.09	42.54	17.34	14.49

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.90	6.80	14.45	17.85	19.90	15.00	18.30	20.40
MEAN	3.37	6.82	14.17	17.64	19.84	13.47	17.44	19.94
NOBS	33.00	33.00	24.00	16.00	15.00	9.00	5.00	5.00
SD	1.83	3.48	3.10	2.51	2.28	5.73	3.02	2.89
CV	54.33	50.95	21.86	14.22	11.51	42.54	17.34	14.49

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.80	6.40	14.45	17.80	19.40	15.00	18.30	20.80
MEAN	2.92	6.56	14.17	17.98	20.17	13.47	17.44	19.94
NOBS	30.00	32.00	24.00	15.00	14.00	9.00	5.00	5.00
SD	1.17	3.17	3.10	2.19	1.96	5.73	3.02	2.89
CV	39.96	48.42	21.86	12.20	9.72	42.54	17.34	14.49

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-15	15-30	30-45
11	2.2	12.5	7.9	14.5	15.4	9.5
12	5.35	10.6F	12.0	10.0	0.0	0.0
13	1.5	12.0	10.0	11.4	11.1	0.0
14	5.35	15.4F	15.4F	0.0	0.0	0.0
15	0.0	0.3	4.1	9.4	10.7	1.5F
16	2.0	4.8	8.5	0.0	0.0	0.0
17	0.2	0.3	4.0	7.7	11.8	0.0
18	0.3	1.3	6.3	8.6	4.4	12.2
19	0.4	0.5	6.8	8.6	8.6	10.8
20	0.7	1.3	6.8	8.6	0.0	0.0
21	1.3	4.2	0.4	13.3	12.7	0.0
22	0.5	1.2	4.7	7.5	8.7	0.0
23	0.2	1.3	3.1	3.9	8.6	7.8
24	0.0	1.8	1.4	6.4	3.7F	0.0
25	0.0	0.0	5.2	8.3	10.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	3.6	8.2	8.8	8.2	12.3
28	0.0	0.5	7.4	7.0	9.5	0.0
29	0.0	3.1	15.15	18.1F	15.4	0.0
30	2.0	0.0	14.65	0.0	0.0	0.0
31	0.0	5.7	9.8	13.2	12.6	0.0
32	2.0	3.4	7.4	0.0	0.0	0.0
33	2.2	3.1	6.6	8.4	4.1	0.0
34	2.2	3.5	7.0	0.0	0.0	0.0
35	2.2	7.0	11.2	13.8	15.1	0.0
36	2.3	2.6	0.0	0.0	0.0	0.0
37	2.3	1.1	0.0	0.0	0.0	0.0
38	1.7	2.6	0.0	0.0	0.0	0.0
39	2.3	6.6	0.0	0.0	0.0	0.0
40	2.4	4.0	0.0	0.0	0.0	0.0
41	2.4	8.55	0.0	0.0	0.0	0.0
42	1.5	2.4	0.0	0.0	0.0	0.0
43	2.0	1.4	0.0	0.0	0.0	0.0
44	2.1	4.5	0.0	0.0	0.0	0.0
45	2.1	4.2	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEN	NO	NO

FIRST ITERATION

MODE	1.60	2.85	7.00	8.60	10.70	8.85	12.25	11.80
MEAN	2.20	3.64	7.81	9.95	10.98	8.20	11.82	10.98
NUMS	34.00	32.00	23.00	17.00	17.00	8.00	4.00	5.00
SD	3.88	3.26	3.81	3.54	3.34	2.41	0.88	2.20
CV	175.34	88.24	48.73	35.91	30.46	35.50	7.48	20.04

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.50	2.60	6.90	8.60	10.10	8.20	12.25	11.80
MEAN	1.57	3.05	7.45	9.46	11.44	9.16	11.82	10.98
NUMS	33.00	30.00	22.00	16.00	16.00	7.00	4.00	5.00
SD	1.35	2.03	3.45	3.00	2.86	1.16	0.88	2.20
CV	85.81	66.54	46.34	31.68	25.00	12.62	7.48	20.04

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.30	2.60	6.70	8.60	10.10	8.20	12.25	11.80
MEAN	1.33	2.86	6.70	9.46	11.44	9.16	11.82	10.98
NUMS	31.00	29.00	20.00	16.00	16.00	7.00	4.00	5.00
SD	0.98	1.78	2.61	3.00	2.86	1.16	0.88	2.20
CV	73.42	62.20	38.97	31.68	25.00	12.62	7.48	20.04

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
12	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
13	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
14	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
15	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
16	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
17	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
18	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
19	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
20	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
21	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
22	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
23	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
24	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
25	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
26	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
27	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
28	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
29	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
30	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
31	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
32	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
33	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
34	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
35	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
36	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
37	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
38	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
39	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
40	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
41	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
42	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
43	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
44	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
45	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49
MODAL	NO	SKEN	NO	SKEN	SKEN	SKEN	NO	NO

FIRST ITERATION

MODE	2.40	3.90	7.60	9.80	11.20	9.15	10.50	12.10
MEAN	2.57	4.88	7.67	10.72	11.75	9.99	10.72	11.86
NOBS	35.00	35.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	1.34	2.50	2.80	2.47	2.22	2.64	1.21	3.26
CV	52.30	51.27	36.51	23.05	16.87	26.48	11.24	27.49

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.35	3.85	7.50	9.80	11.05	9.15	10.50	12.10
MEAN	2.42	4.87	7.43	10.72	11.42	9.99	10.72	11.86
NOBS	34.00	34.00	24.00	17.00	16.00	8.00	5.00	5.00
SD	1.01	2.20	2.59	2.47	1.83	2.64	1.21	3.26
CV	41.58	47.06	34.83	23.05	16.04	26.48	11.24	27.49

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.30	3.80	7.40	9.80	10.90	9.15	10.50	12.10
MEAN	2.40	4.53	7.19	10.72	11.17	9.99	10.72	11.86
NOBS	32.00	33.00	23.00	17.00	15.00	8.00	5.00	5.00
SD	0.81	2.07	2.34	2.47	1.58	2.64	1.21	3.26
CV	33.62	45.72	32.59	23.05	14.19	26.48	11.24	27.49

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-15	15-30	30-45
11	4.7	16.5	26.7	20.3	21.4F	0.0
12	4.4	12.3F	15.9	0.0	0.0	0.0
13	3.2	4.3	5.3	12.4	15.2	0.0
14	3.2	3.6	4.5	0.0	0.0	0.0
15	2.7	3.7	3.5F	5.2F	4.7F	0.0
16	2.1	7.5	14.1	0.0	0.0	0.0
17	2.8	3.4	14.5	14.5	16.7	21.0
18	2.8	6.8	14.7S	12.0	16.2	0.0
19	2.8	7.0	15.4	16.5	16.7	17.1
20	2.0	6.4	13.1	0.0	0.0	0.0
21	2.1	3.0	13.0	10.8	20.1	0.0
22	2.0	7.7	17.1	19.5	22.2	0.0
23	2.5	3.5	4.3	17.4	18.3	0.0
24	2.5	3.5	9.0	17.4	18.9	0.0
25	2.5	3.5	4.7	12.4	20.6	0.0
26	2.5	3.5	10.4	0.0	0.0	0.0
27	2.5	3.5	14.2	19.3	0.0	14.2
28	2.5	4.5	12.2	16.9	0.0	0.0
29	2.5	5.5	4.8	15.5	16.1	13.9
30	2.5	5.5	15.1	0.0	0.0	0.0
31	2.5	6.5S	17.0	24.8	20.2	0.0
32	2.5	6.0	13.4	0.0	0.0	0.0
33	2.5	4.1	10.1	16.5	18.2	0.0
34	2.5	0.0	0.0	0.0	0.0	0.0
35	2.5	0.0	16.5	20.2	23.0	0.0
36	2.5	0.0	0.0	0.0	0.0	0.0
37	2.5	0.0	0.0	0.0	0.0	0.0
38	2.5	0.0	0.0	0.0	0.0	0.0
39	2.9F	3.9	0.0	0.0	0.0	0.0
40	2.7	4.1	0.0	0.0	0.0	0.0
41	2.7	4.1	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0
44	0.2F	4.4	0.0	0.0	0.0	0.0
45	0.6F	6.1	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SAEW	NO

FIRST ITERATION								
MODE	3.15	5.45	12.60	16.90	18.75	16.45	17.70	15.65
MEAN	3.14	5.75	11.64	16.98	18.47	17.07	17.67	16.77
NOBS	14.00	34.00	24.00	17.00	16.00	8.00	4.00	4.00
SU	1.01	2.05	3.91	4.91	3.10	2.15	1.99	3.71
CV	32.22	35.63	33.45	28.94	16.79	12.61	11.27	22.11

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	3.05	5.40	12.20	16.85	18.60	16.20	17.70	15.65
MEAN	3.24	5.55	12.04	17.71	19.06	16.46	17.67	16.77
NOBS	32.00	33.00	23.00	16.00	15.00	7.00	4.00	4.00
SU	0.83	1.72	3.58	3.99	2.11	1.36	1.99	3.71
CV	25.38	30.93	29.71	22.53	11.06	8.25	11.27	22.11

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	3.00	5.20	11.30	16.80	18.60	16.20	17.70	15.65
MEAN	3.23	5.45	12.38	17.11	19.11	16.46	17.67	16.77
NOBS	31.00	32.00	22.00	15.00	15.00	7.00	4.00	4.00
SU	0.79	1.63	3.28	3.28	2.11	1.36	1.99	3.71
CV	24.32	29.90	26.46	19.19	11.06	8.25	11.27	22.11

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.4	0.8	4.1	0.0	0.0	0.0	0.0	0.0
13	1.4	2.8	4.6	6.0	12.4	0.0	0.0	0.0
14	2.3	13.0F	6.7	0.0	0.0	0.0	0.0	0.0
15	2.4	7.7	13.3	15.2	17.1	16.2	0.0	0.0
16	2.2	3.5	9.4	0.0	0.0	0.0	0.0	0.0
17	2.2	5.1	12.1	15.2	17.2	14.6	20.1	0.0
18	2.7	7.1	9.1	9.4	12.7	0.0	0.0	0.0
19	0.0	6.7	6.4	10.7	18.2	10.3	10.4	17.0
20	1.0	4.5	7.4	0.0	0.0	0.0	0.0	0.0
21	2.1	6.5	11.8	12.0	15.4	0.0	0.0	0.0
22	1.1	5.6	12.0	16.1	13.2	0.0	0.0	0.0
23	2.6	3.5	14.7	16.8	14.3	16.7	20.2	0.0
24	1.9	4.4	8.3	12.0	24.9F	0.0	0.0	0.0
25	1.4	2.6	5.2	0.0	12.2	0.0	0.0	0.0
26	2.6	14.2F	25.5F	0.0	0.0	0.0	0.0	0.0
27	4.5	8.8	16.7	14.0	13.8	3.7A	15.0	12.7
28	1.4	12.8S	13.5	14.0	16.4	0.0	0.0	0.0
29	2.2	15.8F	18.5	13.4	16.8	13.8	18.2	20.1
30	4.9S	0.0	16.0	0.0	0.0	0.0	0.0	0.0
31	1.5	2.1F	3.8	7.1	16.5	16.3	0.0	0.0
32	2.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0
33	4.5S	5.5	6.4	15.1	17.7	0.0	0.0	0.0
34	4.4	5.8	7.6	0.0	0.0	0.0	0.0	0.0
35	2.2	4.2	7.9	10.9	12.4	18.8	0.0	0.0
36	2.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0
38	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	7.9F	1.9	0.0	0.0	0.0	0.0	0.0	0.0
40	2.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0
41	1.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0
42	2.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0
43	2.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
44	0.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0
45	2.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	NO	SKEW	NO	SKEW

FIRST ITERATION								
MODE	2.30	5.00	8.40	12.00	16.65	14.20	18.20	17.00
MEAN	2.91	5.44	9.82	11.51	16.04	13.05	16.78	16.60
NOBS	33.00	32.00	24.00	16.00	16.00	8.00	5.00	3.00
SD	2.45	3.51	5.24	3.63	3.33	4.83	4.14	3.72
CV	84.20	59.19	53.40	31.52	20.76	36.98	24.68	22.39

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.30	4.70	8.30	12.00	16.50	14.20	18.20	17.00
MEAN	2.39	5.09	9.13	11.51	15.45	13.05	16.78	16.60
NOBS	31.00	29.00	23.00	16.00	15.00	8.00	5.00	3.00
SD	1.03	2.39	4.13	3.63	2.43	4.83	4.14	3.72
CV	42.96	46.96	45.22	31.52	15.73	36.98	24.68	22.39

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.20	4.70	8.30	12.00	16.50	14.20	18.20	17.00
MEAN	2.15	4.82	9.13	11.51	15.45	13.05	16.78	16.60
NOBS	28.00	28.00	23.00	16.00	15.00	8.00	5.00	3.00
SD	0.74	1.94	4.13	3.63	2.43	4.83	4.14	3.72
CV	34.36	40.24	45.22	31.52	15.73	36.98	24.68	22.39

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	4.6	4.8	7.2	7.9	6.1	0.0	0.0
12	5.2	4.3	6.4	0.0	0.0	0.0	0.0	0.0
13	3.5	4.4	5.7	6.6	6.4	0.0	0.0	0.0
14	6.2	5.6	7.7	0.0	0.0	0.0	0.0	0.0
15	3.3	5.7	6.8	6.6	7.9	7.0	0.0	0.0
16	6.4	0.3	7.8	0.0	0.0	0.0	0.0	0.0
17	7.6	14.2F	14.15	17.4F	18.2F	11.4	11.2	0.0
18	5.7	8.4	11.1	10.4	9.1	0.0	0.0	0.0
19	5.0	8.7	11.4	13.5S	11.7	7.5	7.3	1.7
20	5.6	5.3	6.7	0.0	0.0	0.0	0.0	0.0
21	5.2	6.8	8.7	4.0	8.8	0.0	0.0	0.0
22	7.1	8.4	10.3	9.8	7.6	0.0	0.0	0.0
23	5.9	6.3	4.6	11.1	11.3	9.7	0.0	0.0
24	5.4	6.4	7.8	8.4	10.2	0.0	0.0	0.0
25	5.8	5.3	7.1	7.7	10.8	0.0	0.0	0.0
26	4.9	7.1	5.4	0.0	0.0	0.0	0.0	0.0
27	9.9S	6.8	10.3	10.3	4.3	7.4	7.6	7.7
28	4.7	8.0	0.0	8.7	4.2	0.0	0.0	0.0
29	5.4	4.1	6.1	7.3	8.3	6.9	12.9	0.0
30	7.3	9.7	15.8F	17.2F	15.4S	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	1.1F	8.3	16.7F	9.0	9.4	0.0	0.0	0.0
33	1.8S	9.4	10.0	0.0	0.0	0.0	0.0	0.0
34	10.9F	9.8	10.0	4.2	0.0	7.6	0.0	0.0
35	4.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
36	4.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0
37	3.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
38	5.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
39	7.5	7.4	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0
41	5.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0
42	8.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0
43	9.5	13.2F	0.0	0.0	0.0	0.0	0.0	0.0
44	7.6	8.7	0.0	0.0	0.0	0.0	0.0	0.0
45	NO	NO	NO	SKEW	NO	SKEW	NO	NO

FIRST ITERATION

MODE	5.65	7.15	7.80	9.20	9.25	7.45	9.40	8.85
MEAN	5.80	7.41	8.94	10.06	10.12	7.95	9.75	8.72
NOBS	32.00	34.00	23.00	17.00	16.00	8.00	4.00	4.00
SD	2.11	2.33	3.21	3.34	3.00	1.73	2.75	0.92
CV	35.34	31.45	35.67	33.18	29.68	21.80	25.18	10.52

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.50	7.05	7.80	9.00	9.20	7.45	9.40	8.85
MEAN	5.78	7.01	8.30	9.06	9.58	7.95	9.75	8.72
NOBS	30.00	32.00	21.00	15.00	15.00	8.00	4.00	4.00
SD	1.76	1.74	2.35	1.90	2.17	1.73	2.75	0.92
CV	30.37	24.88	28.24	21.01	22.60	21.80	25.18	10.52

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.40	7.05	7.75	8.85	9.15	7.45	9.40	8.85
MEAN	5.78	7.01	8.00	8.74	9.16	7.95	9.75	8.72
NOBS	28.00	32.00	20.00	14.00	14.00	8.00	4.00	4.00
SD	1.45	1.74	1.48	1.51	1.50	1.73	2.75	0.92
CV	25.07	24.88	24.78	17.26	16.39	21.80	25.18	10.52

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 16, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.			0-15	15-30	30-45
			2-5	5-9	9-15			
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	22.3	24.1	22.0	23.9	26.6	19.2	23.3	22.3
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	12.7	22.4	22.2	21.7	21.2	16.7	15.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	23.4	0.0	21.4	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	SKEW	NO	SKEW	NO	NO	NO

FIRST ITERATION

MODE	17.50	23.25	22.20	22.80	21.40	17.95	19.95	22.30
MEAN	17.50	23.25	22.53	22.80	23.07	17.95	19.95	22.30
NOBS	2.00	2.00	3.00	2.00	3.00	2.00	2.00	1.00
SD	6.74	1.20	0.76	1.56	3.06	1.77	4.74	0.0
CV	38.79	5.17	3.36	6.82	13.27	9.85	23.75	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	17.50	23.25	22.20	22.80	21.40	17.95	19.95	0.0
MEAN	17.50	23.25	22.53	22.80	23.07	17.95	19.95	0.0
NOBS	2.00	2.00	3.00	2.00	3.00	2.00	2.00	0.0
SD	6.74	1.20	0.76	1.56	3.06	1.77	4.74	0.0
CV	38.79	5.17	3.36	6.82	13.27	9.85	23.75	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	17.50	23.25	22.20	22.80	21.40	17.95	19.95	0.0
MEAN	17.50	23.25	22.53	22.80	23.07	17.95	19.95	0.0
NOBS	2.00	2.00	3.00	2.00	3.00	2.00	2.00	0.0
SD	6.74	1.20	0.76	1.56	3.06	1.77	4.74	0.0
CV	38.79	5.17	3.36	6.82	13.27	9.85	23.75	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 24, CROP - MILK

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	3.55	5.3	8.9	12.3	11.2	12.4	0.0	0.0
12	2.4	5.1	10.5	0.0	0.0	0.0	0.0	0.0
13	1.5	4.4	8.6	15.4	17.1	0.0	0.0	0.0
14	2.2	4.4	13.0	0.0	0.0	0.0	0.0	0.0
15	2.5	11.5	12.0	13.6	16.7	10.4	0.0	0.0
16	2.6	7.2	16.5	0.0	0.0	0.0	0.0	0.0
17	0.3	1.6	4.4	14.0	15.2	6.8	15.4	5.6
18	1.7	5.7	11.0	18.2	0.0	0.0	0.0	0.0
19	0.7	3.1	10.0	15.6	17.8	10.3	13.4	5.4
20	0.7	4.1	13.6	0.0	0.0	0.0	0.0	0.0
21	3.5	6.7	11.5	16.8	20.2	0.0	0.0	0.0
22	1.2	3.5	6.3	8.6	4.2	0.0	0.0	0.0
23	1.4	2.1	4.5	8.8	12.3	10.6	17.7	18.4
24	0.4	0.4	5.3	13.6	13.4	0.0	0.0	0.0
25	0.1	7.6	13.8	15.1	13.8	0.0	0.0	0.0
26	2.4	7.4	17.2	0.0	0.0	0.0	0.0	0.0
27	1.4	2.4	14.5	15.1	14.5	9.0	14.1	12.5
28	0.5	3.0	10.7	12.9	16.2	0.0	0.0	0.0
29	0.3	3.4	13.2	18.0	20.2	7.8	16.5	17.4
30	0.3	4.4	14.4	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0
38	0.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0
39	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42	1.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0
43	1.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0
45	2.2	7.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	SALT

FIRST ITERATION

MODE	1.20	4.40	11.25	14.55	16.70	10.60	15.40	12.60
MEAN	1.53	4.34	11.08	14.43	15.68	10.11	15.52	13.36
NOBS	24.00	24.00	20.00	14.00	13.00	7.00	5.00	5.00
SD	1.38	2.94	3.74	3.12	3.46	2.37	1.61	4.88
CV	70.10	61.88	34.14	21.60	22.06	23.47	10.37	36.54

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.20	4.10	11.25	14.55	16.70	10.60	15.40	12.60
MEAN	1.35	4.30	11.08	14.43	15.68	10.11	15.52	13.36
NOBS	28.00	27.00	20.00	14.00	13.00	7.00	5.00	5.00
SD	1.01	2.29	3.74	3.12	3.46	2.37	1.61	4.88
CV	74.66	53.36	34.14	21.60	22.06	23.47	10.37	36.54

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.20	4.10	11.25	14.55	16.70	10.60	15.40	12.60
MEAN	1.17	4.30	11.08	14.43	15.68	10.11	15.52	13.36
NOBS	25.00	27.00	20.00	14.00	13.00	7.00	5.00	5.00
SD	0.79	2.29	3.74	3.12	3.46	2.37	1.61	4.88
CV	67.25	53.36	34.14	21.60	22.06	23.47	10.37	36.54

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	2.6	5.0	13.8	22.9	20.9	9.1	0.0	0.0
12	1.2	3.7	10.4	0.0	0.0	0.0	0.0	0.0
13	1.5	2.0	7.1	13.4	12.0	0.0	0.0	0.0
14	0.0	1.3	2.1	0.0	0.0	0.0	0.0	0.0
15	3.1	3.5	3.3	3.1F	3.1F	0.0	0.0	0.0
16	6.5	4.4	3.2	0.0	0.0	0.0	0.0	0.0
17	2.7	0.0	8.1	13.7	13.4	15.3	18.9	14.6
18	91.9F	5.1	11.8	15.4	16.6	0.0	0.0	0.0
19	3.1	1.1S	15.6	15.1	15.0	0.0	15.4	15.2
20	2.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0
21	1.5	5.2	13.3	18.4	20.3	0.0	0.0	0.0
22	3.5	1.0	5.2	13.4	16.4	0.0	0.0	0.0
23	0.6	0.0	15.7	18.4	22.1	11.0	15.4	11.4
24	0.5	0.0	2.4	18.3	20.0	0.0	0.0	0.0
25	0.2	0.8	9.1	18.0	19.0	0.0	0.0	0.0
26	0.9	2.9	9.1	0.0	0.0	0.0	0.0	0.0
27	30.2S	35.4F	24.7F	25.4S	25.7	21.2	21.3	18.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.2	2.2	14.5	14.6	22.2	14.5	17.5	10.4
30	1.8	5.0	12.3	0.0	0.0	0.0	0.0	0.0
31	0.5	5.2	12.7	16.1	18.5	11.5	0.0	0.0
32	3.3	15.7S	20.4	0.0	0.0	0.0	0.0	0.0
33	1.7	14.3S	17.1	20.4	20.9	0.0	0.0	0.0
34	2.2	10.1	14.1	0.0	0.0	0.0	0.0	0.0
35	1.0	2.5	12.0	0.0	17.2	15.9	0.0	0.0
36	0.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
38	3.6	8.8	0.0	0.0	0.0	0.0	0.0	0.0
39	3.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
42	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
43	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
44	10.6A	2.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	SKEW	SKEW	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	1.60	3.60	12.15	16.10	18.40	14.50	17.50	14.60
MEAN	5.84	5.72	11.77	16.71	17.77	14.54	17.70	14.10
SD	31.00	30.00	24.00	15.00	16.00	7.00	5.00	5.00
SU	16.88	6.97	5.55	5.15	5.22	4.35	2.50	3.37
CV	249.35	121.61	49.32	30.60	29.33	29.42	14.13	23.41

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	1.55	3.50	12.00	16.10	18.80	14.50	17.50	14.60
MEAN	2.97	4.70	10.40	17.68	18.77	14.54	17.70	14.10
SD	30.00	29.00	23.00	14.00	15.00	7.00	5.00	5.00
SU	5.57	4.22	5.02	3.64	3.57	4.35	2.50	3.37
CV	187.67	89.77	46.04	20.59	19.02	29.42	14.13	23.41

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	1.50	2.75	12.00	16.10	18.80	14.50	17.50	14.60
MEAN	2.03	3.55	10.40	17.05	18.77	14.54	17.70	14.10
SD	29.00	26.00	23.00	13.00	15.00	7.00	5.00	5.00
SU	2.17	2.55	5.02	2.88	3.57	4.35	2.50	3.37
CV	106.42	71.85	46.04	16.89	19.02	29.42	14.13	23.41

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 28, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	37.8	33.5	32.0	34.2	26.4	25.1	22.1	25.4
18	30.3	34.2	22.8	26.4	22.9	0.0	0.0	0.0
19	37.2	34.4	34.8	32.7	33.0	29.3	32.9 A	23.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	20.7	21.4	24.3	25.1	26.4	0.0	0.0	0.0
23	0.0	18.6	19.3	23.1	25.1	24.3	21.7	21.5
24	21.5	23.3	25.5	26.0	34.2	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	4.3	9.3	21.7	22.0 A	18.1	21.4	0.0	0.0
28	0.4	1.6	2.7 F	11.8	15.6	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	2.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMALOUS	SKEW	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	21.10	21.90	23.55	25.55	25.75	24.70	22.10	23.40
MEAN	19.30	21.16	22.84	25.16	25.21	25.02	25.57	23.57
NOBS	8.00	9.00	8.00	8.00	8.00	4.00	3.00	3.00
SD	15.42	11.78	9.68	6.90	6.47	3.26	6.35	2.15
CV	79.91	55.70	42.28	27.43	25.64	13.04	24.85	9.14

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	21.10	21.90	22.80	25.55	25.75	24.70	22.10	23.40
MEAN	19.30	21.16	25.77	25.16	25.21	25.02	25.57	23.57
NOBS	8.00	9.00	7.00	8.00	8.00	4.00	3.00	3.00
SD	15.42	11.78	5.62	6.90	6.47	3.26	6.35	2.15
CV	79.91	55.70	21.83	27.43	25.64	13.04	24.85	9.14

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	21.10	21.90	22.80	25.55	25.75	24.70	22.10	23.40
MEAN	19.30	21.16	25.77	25.16	25.21	25.02	25.57	23.57
NOBS	8.00	9.00	7.00	8.00	8.00	4.00	3.00	3.00
SD	15.42	11.78	5.62	6.90	6.47	3.26	6.35	2.15
CV	79.91	55.70	21.83	27.43	25.64	13.04	24.85	9.14

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 29, CROP - WHEAT STURRLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	25.5F	24.6F	25.4F	24.7	24.0	25.4	0.0	0.0
12	3.0	5.4	13.2	0.0	0.0	0.0	0.0	0.0
13	2.4	0.0	11.7	15.7	16.5	0.0	0.0	0.0
14	3.8	4.7	17.0	0.0	0.0	0.0	0.0	0.0
15	23.1F	24.7F	24.9F	24.5	23.9	27.5	0.0	0.0
16	0.5	10.1	16.1	0.0	0.0	0.0	0.0	0.0
17	3.1	5.3	13.5	16.9	20.3	16.8	12.9	12.7
18	3.1	4.1	11.9	17.8	21.5	0.0	0.0	0.0
19	4.4	9.2	11.2	17.7	19.4	18.5	20.1	17.6
20	1.1	3.3	14.2	0.0	0.0	0.0	0.0	0.0
21	3.9	7.0	9.2	14.2	18.1	0.0	0.0	0.0
22	3.3	8.3	14.1	19.0	20.2	0.0	0.0	0.0
23	5.8	14.0	17.6	18.4	19.4	14.1	21.5	21.3
24	1.7	5.0	15.1	18.4	22.6	0.0	0.0	0.0
25	7.8	15.3	17.1	17.6	18.8	0.0	0.0	0.0
26	12.45	12.8	18.4	0.0	0.0	0.0	0.0	0.0
27	5.5	12.9	13.5	14.4	14.6	13.7	23.8	15.5
28	0.0	5.4	12.5	13.8	15.1	0.0	0.0	0.0
29	2.1	6.2	14.8	11.3	13.2	9.2	4.4	9.4
30	0.0	19.75	14.9	0.0	0.0	0.0	0.0	0.0
31	4.6	7.4	12.1	13.3	14.5	7.3	0.0	0.0
32	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	3.3	4.3	13.3	15.6	16.4	0.0	0.0	0.0
34	3.1	10.5	14.7	0.0	0.0	0.0	0.0	0.0
35	12.95	14.25	20.55	20.6	20.8	18.8	0.0	0.0
36	3.7	11.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0
38	3.2	14.5	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	4.3	11.9	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	4.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0
43	3.7	14.8	0.0	0.0	0.0	0.0	0.0	0.0
44	10.1	11.4	0.0	0.0	0.0	0.0	0.0	0.0
45	0.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	SKEW	NO	SKEW	NO	NO	NO	SKEW	NO

FIRST ITERATION

MODE	3.40	4.90	14.40	17.60	19.90	16.80	20.10	15.50
MEAN	5.85	10.67	15.20	17.39	18.85	16.87	17.54	15.30
NOBS	31.00	32.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	5.64	5.74	4.21	3.67	3.34	6.79	6.11	4.55
CV	97.30	52.03	27.60	21.13	17.73	40.27	34.82	29.75

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.80	9.65	13.80	17.60	19.90	16.80	20.10	15.50
MEAN	4.57	9.45	14.30	17.39	18.85	16.87	17.54	15.30
NOBS	24.00	30.00	22.00	17.00	17.00	9.00	5.00	5.00
SD	2.92	4.62	3.01	3.67	3.34	6.79	6.11	4.55
CV	33.93	45.37	21.08	21.13	17.73	40.27	34.82	29.75

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.70	9.45	13.50	17.60	19.90	16.80	20.10	15.50
MEAN	3.97	9.27	14.00	17.39	18.85	16.87	17.54	15.30
NOBS	27.00	28.00	21.00	17.00	17.00	9.00	5.00	5.00
SD	1.45	3.97	2.74	3.67	3.34	6.79	6.11	4.55
CV	49.04	42.75	19.60	21.13	17.73	40.27	34.82	29.75

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 30, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.2	2.8	9.1	11.5	14.5	15.3	0.0	0.0
12	7.2	10.6	12.6	0.0	0.0	0.0	0.0	0.0
13	1.4	5.6	15.0	18.7	19.5	0.0	0.0	0.0
14	2.4	11.7	17.3	0.0	0.0	0.0	0.0	0.0
15	11.75	14.5	17.1	17.0	18.6	20.2	0.0	0.0
16	3.4	5.3	10.5	0.0	0.0	0.0	0.0	0.0
17	5.6	10.8	10.5	10.2	9.7	13.6	13.7	10.9
18	3.5	0.0	32.7F	14.7	15.9	0.0	0.0	0.0
19	2.2	0.0	0.0	11.6	0.0	13.1	12.6	4.5
20	14.0F	14.9	14.0	0.0	0.0	0.0	0.0	0.0
21	0.0	2.9	5.0	3.2	10.7	0.0	0.0	0.0
22	0.0	2.4	9.4	3.6F	17.7	0.0	0.0	0.0
23	1.6	7.6	13.9	13.3	13.9	0.0	23.6	10.0
24	1.0	4.3	10.2	14.0	22.0	0.0	0.0	0.0
25	0.1	1.1	3.7	9.0	8.9	0.0	0.0	0.0
26	0.9	6.8	2.1	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	6.6	12.7	14.8	19.0	0.0	0.0	0.0
29	2.4	4.3	8.8	14.7	16.9	13.3	16.3	9.5
30	2.2	4.3	6.5	0.0	0.0	0.0	0.0	0.0
31	13.2F	16.5F	17.2	14.1	19.0	15.2	0.0	0.0
32	1.3	2.7	5.6	0.0	0.0	0.0	0.0	0.0
33	1.2	3.0	7.5	10.4	13.0	0.0	0.0	0.0
34	1.3	2.2	5.7	0.0	0.0	0.0	0.0	0.0
35	1.5	13.3	7.8	10.2	13.3	7.7	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADJUDAL	SKEW	SKEW	SKEW	NO	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	2.20	5.60	7.40	12.45	15.90	13.60	15.00	9.80
MEAN	3.55	7.01	10.87	12.91	15.51	14.06	16.55	10.00
NOBS	21.00	22.00	22.00	15.00	15.00	7.00	4.00	4.00
SD	4.11	4.63	6.83	4.18	3.91	3.71	4.95	0.64
CV	115.72	66.11	62.87	32.42	25.23	26.41	29.91	6.38

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.60	5.45	9.25	11.60	15.90	13.60	15.00	9.80
MEAN	2.56	6.58	9.87	13.53	15.51	14.06	16.55	10.00
NOBS	21.00	22.00	22.00	15.00	15.00	7.00	4.00	4.00
SD	2.60	4.24	5.01	3.49	3.91	3.71	4.95	0.64
CV	101.00	64.52	50.79	25.78	25.23	26.41	29.91	6.38

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.50	5.45	9.25	11.60	15.90	13.60	15.00	9.80
MEAN	2.10	6.58	9.87	13.53	15.51	14.06	16.55	10.00
NOBS	20.00	22.00	22.00	15.00	15.00	7.00	4.00	4.00
SD	1.59	4.24	5.01	3.49	3.91	3.71	4.95	0.64
CV	75.53	64.52	50.79	25.78	25.23	26.41	29.91	6.38

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 34 CROP - MILU

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	13.8	16.9	16.9	18.6	23.2	23.1	0.0	0.0
12	21.6	21.0	21.2	0.0	0.0	0.0	0.0	0.0
13	19.1	18.3	18.2	19.0	21.8	0.0	0.0	0.0
14	22.0	23.5	23.6	0.0	0.0	0.0	0.0	0.0
15	25.4	24.4	24.3	24.4	24.4	25.1	0.0	0.0
16	17.4	19.0	19.4	0.0	0.0	0.0	0.0	0.0
17	32.5	29.3	29.2	29.0	28.6	24.5	23.0	21.4
18	30.6	29.0	27.4	27.0	28.1	0.0	0.0	0.0
19	19.6	19.1	19.4	19.2	21.2	18.7	19.4	19.4
20	15.0	16.0	17.1	0.0	0.0	0.0	0.0	0.0
21	16.8	26.0	23.8	22.9	24.6	0.0	0.0	0.0
22	19.9	20.4	19.7	20.9	21.0	0.0	0.0	0.0
23	15.5	17.2	17.7	18.5	20.9	17.2	18.0	18.1
24	19.1	20.4	20.3	20.4	22.0	0.0	0.0	0.0
25	25.3	25.2	25.1	25.6	24.8	0.0	0.0	0.0
26	20.2	21.4	21.4	0.0	0.0	0.0	0.0	0.0
27	21.0	21.0	21.8	25.2	20.6	20.7	17.0	17.1
28	23.4	23.4	23.7	23.4	22.7	0.0	0.0	0.0
29	33.8	31.2	31.2	29.5	29.5	29.5	28.0	27.5
30	3.4	0.2	15.4	0.0	0.0	0.0	0.0	0.0
31	23.1	23.5	23.9	23.2	23.6	22.6	0.0	0.0
32	21.3	22.4	24.2	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	22.3	0.0	0.0	0.0	0.0	0.0
34	8.4	5.6	10.2	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	7.9	12.0	15.1	19.1	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	20.20	21.00	21.40	22.90	22.70	22.60	19.90	19.40
MEAN	19.74	19.96	21.02	22.45	23.21	22.28	21.18	20.80
NOBS	25.00	25.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	7.37	6.94	5.21	4.37	3.46	3.82	4.45	4.15
CV	37.31	34.75	24.81	19.49	14.92	17.17	20.44	19.47

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	19.90	20.90	21.20	22.60	22.35	22.60	19.90	19.40
MEAN	21.12	21.19	22.06	23.10	23.71	22.28	21.18	20.80
NOBS	23.00	23.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	5.86	5.72	3.92	3.56	2.85	3.82	4.45	4.15
CV	27.75	26.97	17.78	15.42	12.02	17.17	20.99	19.97

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	19.60	20.65	20.75	22.60	22.00	22.60	19.90	19.40
MEAN	21.12	21.87	21.65	23.10	23.33	22.28	21.18	20.80
NOBS	21.00	22.00	22.00	16.00	15.00	9.00	5.00	5.00
SD	4.65	4.80	3.46	3.56	2.48	3.82	4.45	4.15
CV	22.04	21.95	15.98	15.42	10.64	17.17	20.99	19.97

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1976 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 37, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	10.6	8.9	15.5	20.6	22.6	0.0	0.0	0.0
12	7.5	9.6	17.0	0.0	0.0	0.0	0.0	0.0
13	8.5	14.7	20.6	20.9	22.5	0.0	0.0	0.0
14	8.6	7.4	14.2	0.0	0.0	0.0	0.0	0.0
15	8.8	13.0	14.4	20.4	19.3	16.6	0.0	0.0
16	8.0	14.0	18.5	0.0	0.0	0.0	0.0	0.0
17	9.2	19.1	21.2	21.0	21.4	20.4	22.6	23.4
18	13.0	19.8	21.6	22.2	21.1	0.0	0.0	0.0
19	2.0	8.8	16.5	22.2	20.3	26.5	29.6	27.0
20	6.0	7.2	12.4	0.0	0.0	0.0	0.0	0.0
21	10.1	15.8	19.7	18.6	21.7	0.0	0.0	0.0
22	11.4	13.0	17.0	18.9	19.3	0.0	0.0	0.0
23	20.7F	21.2	25.0F	26.9F	29.2F	24.0	28.0	27.0
24	11.6	9.5	31.8F	17.9	23.4	0.0	0.0	0.0
25	7.5	11.9	15.4	14.3F	17.8	0.0	0.0	0.0
26	10.3	17.0	17.3	0.0	0.0	0.0	0.0	0.0
27	7.3	15.9	20.7	19.9	19.4	14.6	20.4	23.0
28	9.4	15.3	20.6	20.3	19.5	0.0	0.0	0.0
29	12.6	16.2	19.5	22.6	23.5	12.8	22.5	21.3
30	8.1	9.1	14.9	0.0	0.0	0.0	0.0	0.0
31	8.1	9.7	18.3	17.4	17.3	11.8	0.0	0.0
32	9.4	11.5	16.6	0.0	0.0	0.0	0.0	0.0
33	12.6	17.5	21.6	23.1	23.6	0.0	0.0	0.0
34	7.3	6.5	9.3F	0.0	0.0	0.0	0.0	0.0
35	7.4	11.8	16.6	17.9	16.4	13.0	0.0	0.0
36	8.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0
37	8.7	19.7	0.0	0.0	0.0	0.0	0.0	0.0
38	3.75	6.1	0.0	0.0	0.0	0.0	0.0	0.0
39	7.4	12.8	0.0	0.0	0.0	0.0	0.0	0.0
40	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.9	10.7	0.0	0.0	0.0	0.0	0.0	0.0
43	7.9	12.5	0.0	0.0	0.0	0.0	0.0	0.0
44	6.4	11.6	0.0	0.0	0.0	0.0	0.0	0.0
45	14.25	18.2	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	NO	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	8.05	12.50	17.30	20.40	21.10	15.70	22.60	23.40
MEAN	9.01	12.93	18.29	20.30	21.08	17.49	24.62	24.34
NOBS	34.00	33.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	3.12	4.17	4.34	2.80	3.04	5.54	3.96	2.55
CV	34.68	32.29	23.75	13.81	14.41	31.66	16.07	10.49

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	8.00	12.50	17.00	20.30	20.70	15.70	22.60	23.40
MEAN	8.65	12.93	18.09	20.26	20.57	17.49	24.62	24.34
NOBS	33.00	33.00	23.00	15.00	16.00	8.00	5.00	5.00
SD	2.38	4.17	2.43	1.82	2.27	5.54	3.96	2.55
CV	27.50	32.29	16.18	8.97	11.05	31.66	16.07	10.49

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	7.90	12.50	17.00	20.30	20.70	15.70	22.60	23.40
MEAN	8.63	12.93	17.78	20.26	20.57	17.49	24.62	24.34
NOBS	31.00	33.00	22.00	15.00	16.00	8.00	5.00	5.00
SD	2.05	4.17	2.57	1.62	2.27	5.54	3.96	2.55
CV	23.72	32.29	14.45	8.97	11.05	31.66	16.07	10.49

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 38, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.2	4.7	13.9	17.5	21.1	2.4	0.0	0.0
12	2.2	6.4	12.5	0.0	0.0	0.0	0.0	0.0
13	2.2	6.1	7.9	10.5	12.5F	0.0	0.0	0.0
14	2.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0
15	2.2	4.8	8.9	11.4	11.9F	8.5	0.0	0.0
16	2.2	3.4	7.5	0.0	0.0	0.0	0.0	0.0
17	2.3	5.0	12.3	19.1	20.6	9.6	16.3	12.1
18	3.4	13.0F	15.1	76.9F	19.7	0.0	0.0	0.0
19	3.4F	13.0F	17.4	18.7	20.8	14.1	11.5	11.3
20	2.2	7.9	15.0	0.0	0.0	0.0	0.0	0.0
21	1.2	2.9	7.2	11.4	24.2	0.0	0.0	0.0
22	1.1	4.2	15.4	18.0	20.4	0.0	0.0	0.0
23	1.3	5.6	15.3	18.8	22.8	7.4	20.9	18.7
24	1.2	3.3	11.6	19.2	20.3	0.0	0.0	0.0
25	1.2	6.9	14.7	17.1	18.0	0.0	0.0	0.0
26	2.5	5.0	12.8	0.0	0.0	0.0	0.0	0.0
27	1.1	3.4	9.6	12.0	0.0	3.2	14.6	13.1
28	1.8	3.5	13.1	16.5	19.4	0.0	0.0	0.0
29	1.5	7.2F	13.0	19.8	20.7	17.0	20.3	13.7
30	3.4	13.0F	15.8	0.0	0.0	0.0	0.0	0.0
31	1.4	7.0F	15.4	20.2	21.7	15.6	0.0	0.0
32	1.9	3.1	15.1	0.0	0.0	0.0	0.0	0.0
33	3.6S	3.4	17.1	14.0	25.6S	0.0	0.0	0.0
34	2.0	7.7	15.2	0.0	0.0	0.0	0.0	0.0
35	1.4	6.8	15.4	18.3	19.2	16.8	0.0	0.0
36	1.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0
37	0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
38	0.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0
39	1.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0
42	0.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
43	1.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0
44	1.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0
45	0.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	SKEW	NO	NO	NO	SKEW

FIRST ITERATION

MODE	1.50	4.70	14.70	18.00	20.50	9.60	16.30	13.10
MEAN	1.91	3.21	13.28	19.96	19.93	10.51	16.72	13.78
NOBS	35.00	35.00	25.00	17.00	16.00	9.00	5.00	5.00
SU	1.50	2.78	3.23	15.03	3.55	5.64	3.94	2.90
CV	78.48	53.42	24.35	75.28	17.84	53.63	23.59	21.05

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.55	4.40	14.70	17.75	20.35	9.60	16.30	13.10
MEAN	1.71	4.72	13.28	16.41	21.04	10.51	16.72	13.78
NOBS	34.00	33.00	25.00	16.00	14.00	9.00	5.00	5.00
SU	0.90	1.97	3.23	3.37	2.01	5.64	3.94	2.90
CV	52.45	41.70	24.35	20.52	9.58	53.63	23.59	21.05

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.50	4.40	14.70	17.75	20.30	9.60	16.30	13.10
MEAN	1.65	4.72	13.28	16.41	20.68	10.51	16.72	13.78
NOBS	33.00	33.00	25.00	16.00	13.00	9.00	5.00	5.00
SU	0.84	1.97	3.23	3.37	1.59	5.64	3.94	2.90
CV	51.14	41.70	24.35	20.52	7.69	53.63	23.59	21.05

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 39, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
1	4.6	13.0	17.1	17.9	18.0	14.6	0.0	0.0
2	5.6	18.1	20.3	0.0	0.0	0.0	0.0	0.0
3	15.1F	15.5	14.8	15.6	14.6	0.0	0.0	0.0
4	6.6	15.4	17.8	0.0	0.0	0.0	0.0	0.0
5	12.7S	14.4	17.7	17.6	21.3	20.9	0.0	0.0
6	15.6F	13.3	12.6	0.0	0.0	0.0	0.0	0.0
7	4.1	13.0	15.9	18.2	18.2	15.7	17.7	13.0
8	9.8	0.0	14.1	19.0	13.2	0.0	0.0	0.0
9	9.1	10.5	15.5	16.7	20.1	18.9	17.6	17.7
10	9.8	13.0	13.5	0.0	0.0	0.0	0.0	0.0
11	2.2	9.0	12.9	15.5	13.7	0.0	0.0	0.0
12	2.1	8.4	12.0	15.3	15.9	0.0	0.0	0.0
13	6.2	12.7	9.9	12.0	12.9	16.4	14.6	17.4
14	7.7	12.0	16.3	20.0	20.8	0.0	0.0	0.0
15	6.0	15.7	17.7	16.7	18.8	0.0	0.0	0.0
16	7.5	13.3	18.7	0.0	0.0	0.0	0.0	0.0
17	1.1	10.0	8.4S	9.9F	10.4	10.2	9.7	6.3A
18	4.8	10.7	14.5S	15.6F	17.5	0.0	0.0	0.0
19	9.0	13.6	15.5	16.9	18.8	15.5	11.6	13.6
20	5.4	13.6	10.0	0.0	0.0	0.0	0.0	0.0
21	8.8	13.3	13.2	13.2	12.9	6.3A	0.0	0.0
22	15.1F	10.0	19.2	0.0	0.0	0.0	0.0	0.0
23	5.3	10.5	16.6F	13.6	14.0	0.0	0.0	0.0
24	0.6	14.2	10.6	0.0	0.0	0.0	0.0	0.0
25	5.1	12.0	17.2	16.4	16.5	14.4	0.0	0.0
26	0.6	12.1	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	18.6	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
30	2.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0
31	2.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0
32	4.7	10.2	0.0	0.0	0.0	0.0	0.0	0.0
33	1.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
34	9.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0
35	3.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	SKEW	NO

FIRST ITERATION								
MODE	5.80	12.00	15.50	15.60	16.50	15.50	17.60	13.60
MEAN	6.34	11.20	14.86	15.61	16.31	14.77	15.24	13.60
NOBS	32.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	3.90	4.56	3.64	2.50	3.14	4.35	4.32	4.61
CV	61.48	40.73	24.49	16.04	19.59	29.47	28.33	33.88

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	5.40	12.00	15.15	15.55	16.50	15.50	17.60	13.60
MEAN	5.41	11.20	15.20	15.98	16.31	14.77	15.24	13.60
NOBS	29.00	35.00	24.00	16.00	17.00	9.00	5.00	5.00
SD	2.72	4.56	3.30	2.03	3.19	4.35	4.32	4.61
CV	50.16	40.73	21.70	12.71	19.59	29.47	28.33	33.88

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	5.35	12.00	14.80	15.55	16.50	15.50	17.60	13.60
MEAN	5.15	11.20	15.50	15.98	16.31	14.77	15.24	13.60
NOBS	28.00	35.00	23.00	16.00	17.00	9.00	5.00	5.00
SD	2.37	4.56	3.03	2.03	3.19	4.35	4.32	4.61
CV	45.97	40.73	19.56	12.71	19.59	29.47	28.33	33.88

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 40, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	30.4	0.0	29.0	0.0	28.9	26.0	24.5	21.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	31.4	28.8	33.0	34.5	29.7	26.1	26.8	20.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	35.3	32.0	33.5	33.9	31.6	32.8	27.3	26.6
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	28.5	29.5	29.9	31.1	31.8	27.3	26.1	24.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	4.5	23.2	27.2	29.6	28.8	25.6	25.1	26.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	SKEW	NO	SKEW	NO	SKEW	SKEW	NO	SKEW

FIRST ITERATION

MODE	30.40	29.15	29.90	32.50	29.70	28.00	26.10	24.20
MEAN	27.02	29.13	30.52	32.27	30.16	28.36	25.96	23.70
NOBS	5.00	4.00	5.00	4.00	5.00	5.00	5.00	5.00
SD	10.10	2.39	2.68	2.32	1.45	2.68	1.16	2.96
CV	37.39	8.19	8.78	7.18	4.81	9.44	4.47	12.51

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	30.40	29.15	29.90	32.50	29.70	28.00	26.10	24.20
MEAN	27.02	29.13	30.52	32.27	30.16	28.36	25.96	23.70
NOBS	5.00	4.00	5.00	4.00	5.00	5.00	5.00	5.00
SD	10.10	2.39	2.68	2.32	1.45	2.68	1.16	2.96
CV	37.39	8.19	8.78	7.18	4.81	9.44	4.47	12.51

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL MODE	30.40	29.15	29.90	32.50	29.70	28.00	26.10	24.20
MEAN	27.02	29.13	30.52	32.27	30.16	28.36	25.96	23.70
NOBS	5.00	4.00	5.00	4.00	5.00	5.00	5.00	5.00
SD	10.10	2.39	2.68	2.32	1.45	2.68	1.16	2.96
CV	37.39	8.19	8.78	7.18	4.81	9.44	4.47	12.51

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 43, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.3	3.4	8.5S	11.7	11.3F	10.9	0.0	0.0
12	5.7	12.0	15.6	0.0	0.0	0.0	0.0	0.0
13	1.5	6.4	14.5	15.0	12.1S	0.0	0.0	0.0
14	0.1	6.6	15.1	0.0	0.0	0.0	0.0	0.0
15	2.1	4.8	13.1	16.8	20.6	19.0	0.0	0.0
16	8.4	9.1	13.6	0.0	0.0	0.0	0.0	0.0
17	7.2	15.2	18.2	19.1	19.4	0.0	19.6	19.4
18	3.2	6.4	15.3	21.3	21.8	0.0	0.0	0.0
19	1.5	6.0	14.1	17.5	16.7	18.0	20.1	22.1
20	9.4	20.1	23.5F	0.0	0.0	0.0	0.0	0.0
21	1.7	3.3	8.3F	11.5	14.6	0.0	0.0	0.0
22	2.7	6.3	11.1	12.8	15.2	0.0	0.0	0.0
23	4.2	11.1	14.5	18.8	20.9	13.0	20.7	18.8
24	8.2	0.0	19.5	20.3	19.8	0.0	0.0	0.0
25	1.4	14.5	11.8	18.5	19.5	0.0	0.0	0.0
26	2.0	18.4	21.1	0.0	0.0	0.0	0.0	0.0
27	2.8	12.0	17.0	17.4	17.8	10.3	19.8	12.8A
28	2.2	13.0	17.3	20.3	21.9	0.0	0.0	0.0
29	8.2	16.9	19.6	20.4	20.9	13.9	17.6	20.2
30	11.5F	11.3	15.2	0.0	0.0	0.0	0.0	0.0
31	4.8F	10.4	18.6	14.3	18.9	14.3	0.0	0.0
32	4.7	17.5	16.7	0.0	0.0	0.0	0.0	0.0
33	3.2	12.1	20.4	22.0	23.5	0.0	0.0	0.0
34	10.5S	0.0	16.6	0.0	0.0	0.0	0.0	0.0
35	2.3	14.2	14.7	15.7	20.3	14.7	0.0	0.0
36	6.9	17.5	0.0	0.0	0.0	0.0	0.0	0.0
37	3.8	15.4	0.0	0.0	0.0	0.0	0.0	0.0
38	1.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0
39	0.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0
40	8.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0
41	8.5	25.8F	0.0	0.0	0.0	0.0	0.0	0.0
42	1.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0
43	2.6	15.1	0.0	0.0	0.0	0.0	0.0	0.0
44	4.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0
45	3.2	15.2	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	SKEW	NO	SKEW	SKEW

FIRST ITERATION

MODE	3.20	12.00	15.30	18.50	19.50	14.10	19.80	19.90
MEAN	4.39	11.57	15.76	17.67	18.66	14.26	19.56	18.76
NOBS	35.00	33.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	3.10	5.23	3.67	3.18	3.44	3.06	1.17	3.54
CV	70.63	45.24	23.31	18.00	18.43	21.42	5.99	18.86

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.20	11.65	15.20	18.50	19.45	14.10	19.80	19.90
MEAN	4.18	11.12	15.74	17.67	19.12	14.26	19.56	18.76
NOBS	34.00	32.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	2.88	4.64	3.08	3.18	2.96	3.06	1.17	3.54
CV	69.02	41.72	19.54	18.00	15.50	21.42	5.99	18.86

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.20	11.65	15.15	18.50	19.40	14.10	19.80	19.90
MEAN	3.99	11.12	16.07	17.67	19.59	14.26	19.56	18.76
NOBS	33.00	32.00	22.00	17.00	15.00	8.00	5.00	5.00
SD	2.70	4.64	2.70	3.18	2.38	3.06	1.17	3.54
CV	67.73	41.72	16.81	18.00	12.14	21.42	5.99	18.86

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 44, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	6.4	11.0	21.1	18.2	19.3	10.4	11.7	12.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	5.7	12.9	16.8	18.0	21.0	14.9	12.3	13.8
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	12.0	16.7	18.3	20.6	17.0	15.9	16.2
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	8.6	16.6	21.9	23.2	23.2	13.1	14.7	14.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	4.4	5.4	7.3	10.6	12.5	13.7	13.5	14.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	6.40	12.00	16.80	18.20	20.60	13.70	13.50	14.70
MEAN	6.38	11.68	16.76	17.66	19.32	13.82	13.62	14.36
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.54	3.86	5.80	4.51	4.06	2.42	1.72	1.48
CV	24.14	33.07	34.63	25.54	21.03	17.54	12.62	10.31

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	6.40	12.00	16.80	18.20	20.60	13.70	13.50	14.70
MEAN	6.38	11.68	16.76	17.66	19.32	13.82	13.62	14.36
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.54	3.86	5.80	4.51	4.06	2.42	1.72	1.48
CV	24.14	33.07	34.63	25.54	21.03	17.54	12.62	10.31

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	6.40	12.00	16.80	18.20	20.60	13.70	13.50	14.70
MEAN	6.38	11.68	16.76	17.66	19.32	13.82	13.62	14.36
NOBS	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SD	1.54	3.86	5.80	4.51	4.06	2.42	1.72	1.48
CV	24.14	33.07	34.63	25.54	21.03	17.54	12.62	10.31

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 45, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.4	10.0	20.9	23.7	24.2	22.4	0.0	0.0
12	3.2	6.3	15.7	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	2.8	10.1	12.2	0.0	0.0	0.0	0.0	0.0
15	0.0	11.7	13.9	18.0	21.1	14.2	0.0	0.0
16	2.3	19.7	18.4	0.0	0.0	0.0	0.0	0.0
17	0.9	13.2	20.2	21.7	21.9	18.3	14.8	22.6
18	0.55	12.45	18.3	20.4	22.5	0.0	0.0	0.0
19	7.0F	14.55	18.8	18.8	18.7	20.5	22.1	14.4
20	0.45	17.7	13.7	0.0	0.0	0.0	0.0	0.0
21	0.1	5.0	12.4	18.4	20.4	0.0	0.0	0.0
22	1.5	57.2F	15.5	15.5	21.4	0.0	0.0	0.0
23	4.0	14.1	15.9	0.0	20.7	19.1	21.8	71.1
24	1.2	5.5	16.3	22.9	21.9	0.0	0.0	0.0
25	1.2	5.5	16.3	20.7	21.3	0.0	0.0	0.0
26	1.7	11.0	17.7	22.9	23.2	22.7	25.6	20.4
27	2.9	5.0	16.0	14.9	22.4	0.0	0.0	0.0
28	2.7	11.2	18.8	19.6	19.9	17.6	21.3	21.2
29	1.8	4.3	17.7	0.0	0.0	0.0	0.0	0.0
30	2.5	5.4	16.5	16.5	10.6F	38.0F	0.0	0.0
31	2.2	4.1	10.0	0.0	0.0	0.0	0.0	0.0
32	2.0	5.4	13.5	20.2	21.6	0.0	0.0	0.0
33	3.2	5.4	12.8	0.0	0.0	0.0	0.0	0.0
34	3.2	4.3	12.0	23.0	24.6	23.4	0.0	0.0
35	3.2	13.3	0.0	0.0	0.0	0.0	0.0	0.0
36	2.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0
37	1.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0
38	3.7	11.5	0.0	0.0	0.0	0.0	0.0	0.0
39	2.7	7.2	0.0	0.0	0.0	0.0	0.0	0.0
40	1.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0
41	2.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0
42	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
43	2.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0
44	10.0F	18.2	0.0	0.0	0.0	0.0	0.0	0.0
45	2.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	5.5	NO	NO	NO	NO	NO	5.5	5.5

FIRST ITERATION								
MODE	2.75	7.05	16.15	20.20	21.50	20.50	21.40	22.60
MEAN	3.31	10.06	15.27	20.15	21.02	22.42	22.12	32.14
NOBS	34.00	34.00	24.00	15.00	16.00	9.00	5.00	5.00
SD	1.81	9.50	3.90	12.42	3.16	6.40	2.14	21.93
CV	54.74	95.35	25.54	12.00	15.02	28.56	9.66	68.23

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.70	6.40	16.00	20.20	21.40	19.85	21.80	22.60
MEAN	2.99	8.64	15.70	20.15	21.72	20.40	22.12	32.14
NOBS	32.00	33.00	23.00	15.00	15.00	8.00	5.00	5.00
SD	1.23	4.84	3.36	12.42	1.55	2.19	2.14	21.93
CV	41.10	56.06	21.39	12.00	7.14	10.75	9.66	68.23

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.70	6.75	15.85	20.20	21.40	19.85	21.80	22.60
MEAN	2.76	8.33	16.07	20.15	21.72	20.40	22.12	32.14
NOBS	30.00	32.00	22.00	15.00	15.00	8.00	5.00	5.00
SD	0.85	4.59	2.91	12.42	1.55	2.19	2.14	21.93
CV	30.98	55.03	18.11	12.00	7.14	10.75	9.66	68.23

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	DEPTH INTERVAL, CM.	5-9	7-15	0-15	15-30	30-45
11	4.7	0.0	2-5	9.8	14.7	11.6	0.0	0.0
12	4.0	7.8	10-2	0.0	0.0	0.0	0.0	0.0
13	3.8	7.1	14-1	0.0	0.0	0.0	0.0	0.0
14	4.6	8.3	12-7	12.7	12.8	0.0	0.0	0.0
15	3.7	5.8	10-5	0.0	0.0	0.0	0.0	0.0
16	3.1	4.3	8-5	9.4	8.8	10.8	0.0	0.0
17	0.0	7.7	6-4	0.0	0.0	0.0	0.0	0.0
18	7.95	14.0F	13-0	16.5	15.2	13.4	7.0	11.0
19	1.4	2.0	17-9	17.5	17.1	0.0	0.0	0.0
20	2.8	2.7	6-1	23.2F	22.5F	0.0	0.0	0.0
21	7.1	9.4	5-9	0.0	0.0	0.0	0.0	0.0
22	4.2	3.4	14-0	14.0	0.0	0.0	0.0	0.0
23	4.3	6.4	13-3	13.8	13.7	0.0	0.0	0.0
24	1.4	4.4	8-9	10.3	9.8	9.3	7.7	13.1
25	4.8F	5.1	9-8	12.4	12.6	0.0	0.0	0.0
26	3.5F	5.4	7-1	8.1	8.5	0.0	0.0	0.0
27	8.85	15.1F	10-1	0.0	0.0	0.0	0.0	0.0
28	4.6	7.4	16-6	16.7	17.1	14.3	8.9	13.2
29	2.6	3.8	10-5	11.3	12.6	0.0	0.0	0.0
30	2.1	6.0	5-0	7.0	11.0	5.9	7.5	5.8
31	7.7	15.0F	0.0	0.0	0.0	0.0	0.0	0.0
32	2.05	6.4	16-7	16.8	13.4	16.0	0.0	0.0
33	2.4	4.5	11-4	0.0	0.0	0.0	0.0	0.0
34	2.6	5.3	9-3	9.3	10.5	0.0	0.0	0.0
35	3.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0
36	3.0	8.3	8-8	9.9	9.9	7.0	0.0	0.0
37	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	2.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0
40	2.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
41	1.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0
42	2.2	13.35	0.0	0.0	0.0	0.0	0.0	0.0
43	2.2	11.45	0.0	0.0	0.0	0.0	0.0	0.0
44	2.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0
45	3.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	SKW	SKW	NO	NO	NO	NO	SKW	SKW

FIRST ITERATION								
MODE	3.30	5.10	10.10	12.40	12.70	11.20	7.60	12.05
MEAN	5.00	7.03	10.42	12.98	13.14	11.04	7.77	10.77
NOBS	34.00	33.00	25.00	17.00	15.00	8.00	4.00	4.00
SD	6.77	3.42	3.79	4.26	3.85	3.52	0.81	3.47
CV	135.34	48.69	36.37	32.83	27.82	31.93	10.36	32.19

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	3.10	5.85	10.10	11.85	12.60	11.20	7.60	12.05
MEAN	3.88	6.24	10.42	12.34	12.51	11.04	7.77	10.77
NOBS	33.00	30.00	25.00	16.00	15.00	8.00	4.00	4.00
SD	1.91	2.42	3.79	3.46	2.76	3.52	0.81	3.47
CV	44.18	38.84	36.37	28.04	22.07	31.93	10.36	32.19

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	3.10	5.75	10.10	11.85	12.60	11.20	7.60	12.05
MEAN	3.45	5.81	10.42	12.34	12.51	11.04	7.77	10.77
NOBS	30.00	28.00	25.00	16.00	15.00	8.00	4.00	4.00
SD	1.36	1.81	3.79	3.46	2.76	3.52	0.81	3.47
CV	39.53	31.23	36.37	28.04	22.07	31.93	10.36	32.19

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 47, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.7	1.7	8.2	8.0	11.1	9.2	0.0	0.0
12	2.8	5.4	8.5	0.0	0.0	0.0	0.0	0.0
13	2.4	4.9	9.6	9.5	11.4	0.0	0.0	0.0
14	5.1	8.5	17.0	0.0	0.0	0.0	0.0	0.0
15	4.6	8.7	7.1	11.5	13.3	13.8	0.0	0.0
16	3.0	7.0	9.0	0.0	0.0	0.0	0.0	0.0
17	0.9	4.3	6.2	11.0	10.3	3.6	11.8	10.3
18	1.6	8.5	11.7	15.7	16.0	0.0	0.0	0.0
19	1.7	3.1	8.4	9.5	13.2	10.1	11.6	14.6
20	6.4	8.5	11.7	0.0	0.0	0.0	0.0	0.0
21	1.7	5.8	11.4	12.2	13.5	0.0	0.0	0.0
22	2.1	6.1	10.1	12.0	0.0	0.0	0.0	0.0
23	1.1	4.5	7.0	10.3	12.4	7.3	9.7	5.8
24	3.2	5.2	9.4	9.1	11.3	0.0	0.0	0.0
25	3.3	9.1	13.8	14.3	14.3	0.0	0.0	0.0
26	7.7	14.4S	20.5F	0.0	0.0	0.0	0.0	0.0
27	3.5	6.3	19.0S	15.9	14.3	3.4	18.5	9.6
28	6.9	16.0F	21.0F	19.0	19.0	0.0	0.0	0.0
29	0.6	4.5	4.4	9.7	9.7	1.7	13.8	6.0
30	1.5	5.0	6.8	0.0	0.0	0.0	0.0	0.0
31	0.0	5.1	12.4	14.3	15.0	8.7	0.0	0.0
32	2.8	10.2	14.3	0.0	0.0	0.0	0.0	0.0
33	6.8	12.6	15.5	16.3	17.8	0.0	0.0	0.0
34	3.6	7.2	11.2	0.0	0.0	0.0	0.0	0.0
35	4.3	10.6	12.3	14.7	16.4	13.2	0.0	0.0
36	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
37	1.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0
38	11.5F	5.4	0.0	0.0	0.0	0.0	0.0	0.0
39	17.1	13.7	0.0	0.0	0.0	0.0	0.0	0.0
40	10.6F	17.4F	0.0	0.0	0.0	0.0	0.0	0.0
41	7.7	12.7	0.0	0.0	0.0	0.0	0.0	0.0
42	3.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0
43	5.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0
44	6.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0
45	3.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEN	SKEN	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	3.25	6.70	11.20	12.00	13.55	8.70	11.80	9.60
MEAN	4.06	7.69	11.24	12.65	13.71	7.89	13.08	9.26
NOHS	34.00	35.00	25.00	17.00	16.00	9.00	5.00	5.00
SD	2.74	3.96	4.22	3.41	2.68	4.30	3.36	3.62
CV	67.51	51.46	37.54	26.92	19.52	54.45	25.69	34.05

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.15	6.30	10.65	11.75	13.55	8.70	11.80	9.60
MEAN	3.63	7.14	10.85	12.12	13.71	7.89	13.08	9.26
NOHS	32.00	33.00	24.00	16.00	16.00	9.00	5.00	5.00
SD	2.16	3.35	3.84	2.73	2.68	4.30	3.36	3.62
CV	59.49	46.90	35.32	22.47	19.52	54.45	25.69	39.05

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.15	6.25	10.10	11.75	13.55	8.70	11.80	9.60
MEAN	3.63	6.90	10.50	12.12	13.71	7.89	13.08	9.26
NOHS	32.00	32.00	23.00	16.00	16.00	9.00	5.00	5.00
SD	2.16	3.10	3.50	2.73	2.68	4.30	3.36	3.62
CV	59.49	44.86	33.30	22.47	19.52	54.45	25.69	39.05

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	15-30	30-45
11	1.2	5.0	0.0	21.4	23.4	0.0	0.0
12	1.7	3.4	9.9	0.0	0.0	0.0	0.0
13	0.7	1.1	16.4	17.0	17.3	0.0	0.0
14	0.2	5.1	17.4	0.0	0.0	0.0	0.0
15	0.5	1.8	17.2	17.9	14.0S	16.9	0.0
16	4.0F	10.4	21.0	0.0	0.0	0.0	0.0
17	1.0	3.2	8.7	14.1	19.6	14.2	14.2
18	1.3	4.7	8.6	17.0	18.3	0.0	0.0
19	1.2	4.7	14.3	10.0	20.4	19.7	12.5
20	4.7F	12.6S	18.3	0.0	0.0	0.0	0.0
21	0.4	10.3F	20.0	17.9	20.2	0.0	0.0
22	0.7	5.4	15.3	16.0	22.6	0.0	0.0
23	0.0	12.4	18.0	19.3	20.4	35.8A	16.2
24	1.7	3.0	0.0	13.4	19.4	0.0	0.0
25	2.3S	4.7	14.1	21.0	20.4	0.0	0.0
26	1.5	3.3	15.4	0.0	0.0	0.0	0.0
27	1.4	10.3	8.2	16.4	18.5	0.0	10.3
28	0.4	2.2	9.6	13.8	12.0F	0.0	0.0
29	0.2	2.4	14.7	9.6	17.3	1.4A	16.2
30	0.7	6.6	15.2	0.0	0.0	0.0	0.0
31	0.7	3.3	5.8	14.4	18.6	0.0	0.0
32	0.5	2.3	10.0	0.0	0.0	0.0	0.0
33	1.1	4.6	16.2	15.0	16.0	0.0	0.0
34	0.1	6.0	6.7	0.0	0.0	0.0	0.0
35	1.6	2.8	5.3	7.4F	15.1	13.2	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	0.85	4.70	14.95	16.00	18.80	16.90	19.00	14.20
MEAN	1.20	5.10	13.38	15.39	18.62	16.84	18.02	13.88
NOBS	24.00	25.00	22.00	17.00	17.00	7.00	5.00	5.00
SD	1.12	4.40	4.87	3.85	2.93	10.34	2.49	2.53
CV	93.28	72.12	36.34	25.05	15.74	61.39	13.84	18.22

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	0.70	4.65	14.95	15.50	18.65	16.90	19.00	14.20
MEAN	0.91	5.55	13.38	15.89	19.04	16.84	18.02	13.88
NOBS	22.00	24.00	22.00	16.00	16.00	7.00	5.00	5.00
SD	0.57	3.51	4.87	3.37	2.46	10.34	2.49	2.53
CV	62.85	63.24	36.34	21.19	12.93	61.39	13.84	18.22

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	0.70	4.60	14.95	15.50	18.50	16.90	19.00	14.20
MEAN	0.85	5.24	13.38	15.89	19.37	16.84	18.02	13.88
NOBS	21.00	23.00	22.00	16.00	15.00	7.00	5.00	5.00
SD	0.50	3.23	4.87	3.37	2.13	10.34	2.49	2.53
CV	58.47	61.58	36.34	21.19	11.02	61.39	13.84	18.22

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.1	7.4	14.2	13.3	14.3	7.3F	0.0	0.0
12	3.3	6.9	15.8	0.0	0.0	0.0	0.0	0.0
13	3.6	8.0	15.9	17.9	16.6	0.0	0.0	0.0
14	3.0	9.3	10.4	0.0	0.0	0.0	0.0	0.0
15	6.8	8.5	8.4	18.4	17.0	17.8	0.0	0.0
16	6.5	11.9	10.0	0.0	0.0	0.0	0.0	0.0
17	2.5	5.3	10.2	13.6	12.8	14.5	17.7	4.5A
18	3.3	5.8	19.9	17.2	19.0	0.0	0.0	0.0
19	2.7	4.3	8.2	12.4	16.0	18.0	18.5	19.1
20	3.9	9.2	13.1	0.0	0.0	0.0	0.0	0.0
21	4.4	13.5	18.7	17.7	21.8	0.0	0.0	0.0
22	4.4	9.9	11.2	15.5	16.4	0.0	0.0	0.0
23	0.0	0.0	0.0	17.7	17.6	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	8.6	17.1	18.3	18.0	18.6	0.0	0.0	0.0
26	8.2	13.8	20.0	0.0	0.0	0.0	0.0	0.0
27	13.4S	19.8F	9.3	8.7F	19.3	21.6	23.1	20.2
28	11.3	12.8	15.7	18.0	22.0	0.0	0.0	0.0
29	14.4F	14.1	15.0	15.1	18.6	22.4	24.8	23.2
30	9.3	16.8	19.6	0.0	0.0	0.0	0.0	0.0
31	3.7	5.7	6.7	21.6	23.4	23.3	0.0	0.0
32	3.5	9.4	21.1	0.0	0.0	0.0	0.0	0.0
33	2.4	12.4	15.3	20.7	0.0	0.0	0.0	0.0
34	3.8	13.1	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	5.3	13.5	21.7	22.4	18.4	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION

MODE	3.85	9.40	15.15	17.45	18.60	18.20	20.80	19.65
MEAN	6.19	10.47	14.39	16.59	18.52	17.91	21.02	18.00
NOBS	22.00	23.00	22.00	16.00	15.00	5.00	4.00	4.00
SD	5.10	4.23	4.27	3.48	3.01	5.17	3.46	5.93
CV	82.41	40.34	29.69	20.95	16.27	28.88	16.47	32.92

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.80	9.35	15.15	17.20	18.60	18.00	20.80	19.65
MEAN	5.32	10.05	14.39	17.12	18.52	19.43	21.02	18.00
NOBS	21.00	22.00	22.00	15.00	15.00	7.00	4.00	4.00
SD	3.15	3.79	4.27	2.86	3.01	3.12	3.46	5.93
CV	59.20	37.72	29.69	16.73	16.27	16.08	16.47	32.92

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.75	9.35	15.15	17.20	18.60	18.00	20.80	19.65
MEAN	4.91	10.05	14.39	17.12	18.52	19.43	21.02	18.00
NOBS	20.00	22.00	22.00	15.00	15.00	7.00	4.00	4.00
SD	2.61	3.79	4.27	2.86	3.01	3.12	3.46	5.93
CV	53.16	37.72	29.69	16.73	16.27	16.08	16.47	32.92

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 52, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH INTERVAL, CM.						0-15	15-30	30-45
	0-1	1-2	2-5	5-9	9-15				
11	1.2	5.6	12.3	11.7	15.1	17.0	0.0	0.0	0.0
12	1.5	5.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.9	2.2	2.2	8.8	15.8	0.0	0.0	0.0	0.0
14	1.3	1.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.4	4.1	10.5	15.4	18.4	0.0	0.0	0.0	0.0
16	1.2	2.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.3	1.4	4.7	11.3	14.4	18.7	14.0	11.2	11.2
18	1.6	3.4	4.3	14.7	15.2	0.0	0.0	0.0	0.0
19	0.2	5.2	8.0	17.5	16.4	14.7	16.7	12.7	12.7
20	1.5	2.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0
21	2.5	4.4	14.3	17.3	18.1	0.0	0.0	0.0	0.0
22	0.4	5.2	16.4	21.4	21.6	0.0	0.0	0.0	0.0
23	0.6	0.7	8.0	7.5	15.5	16.0	10.7	15.4	15.4
24	0.5	2.0	8.1	36.3F	15.8	0.0	0.0	0.0	0.0
25	1.4	1.2	2.5	4.4	14.5	0.0	0.0	0.0	0.0
26	0.2	4.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0
27	2.0	11.7F	17.8	19.8	23.5	21.3	18.8	15.9	15.9
28	1.5	10.0SF	18.4	20.6	21.1	0.0	0.0	0.0	0.0
29	2.7S	11.4F	16.0	18.7	19.7	16.2	14.0	12.6	12.6
30	0.3	3.3	11.8	0.0	0.0	0.0	0.0	0.0	0.0
31	0.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	1.5	7.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
33	0.5	8.3	17.0	14.0	21.3	0.0	0.0	0.0	0.0
34	4.2F	1.4	17.1	0.0	0.0	0.0	0.0	0.0	0.0
35	0.7	1.5	4.1	12.6	17.1	13.5	0.0	0.0	0.0
36	1.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	2.4S	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION

MODE	1.20	4.10	9.20	16.35	17.00	16.20	16.70	12.70
MEAN	1.25	4.84	9.84	16.37	17.75	16.77	15.44	13.66
NOBS	34.00	33.00	24.00	16.00	16.00	7.00	5.00	5.00
SU	0.86	3.11	5.72	8.91	2.89	2.59	3.19	2.13
CV	67.50	64.15	58.10	42.21	16.28	15.43	20.65	15.59

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	1.20	3.90	9.20	15.40	17.00	16.20	16.70	12.70
MEAN	1.19	4.39	9.84	15.05	17.75	16.77	15.44	13.66
NOBS	33.00	31.00	24.00	15.00	16.00	7.00	5.00	5.00
SD	0.70	2.82	5.72	4.58	2.89	2.59	3.19	2.13
CV	58.96	59.64	58.10	30.41	16.28	15.43	20.65	15.59

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	1.00	3.80	9.20	15.40	17.00	16.20	16.70	12.70
MEAN	1.03	4.02	9.84	15.05	17.75	16.77	15.44	13.66
NOBS	30.00	29.00	24.00	15.00	16.00	7.00	5.00	5.00
SU	0.52	2.25	5.72	4.58	2.89	2.59	3.19	2.13
CV	50.08	56.12	58.10	30.41	16.28	15.43	20.65	15.59

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 53, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	2.2	3.5	8.1	8.0	4.9F	7.4	0.0	0.0
12	2.0	3.0	5.2	0.0	0.0	0.0	0.0	0.0
13	1.4	2.4	4.3	7.4	10.0	0.0	0.0	0.0
14	2.0	8.7S	3.0F	0.0	0.0	0.0	0.0	0.0
15	2.0	2.4	5.4	6.4	6.4S	5.7	0.0	0.0
16	1.8	0.0	5.2	0.0	0.0	0.0	0.0	0.0
17	2.1	3.3	5.3	10.5	9.5	7.7	13.3	10.7
18	1.7	3.1	5.8	10.7	10.5	0.0	0.0	0.0
19	2.6	3.0	5.8	8.2	9.2	5.8	10.4	3.1A
20	2.4	3.5	7.4	0.0	0.0	0.0	0.0	0.0
21	5.7	6.5	7.7	9.3	0.0	0.0	0.0	0.0
22	5.8	6.8	8.8	9.9	11.3	0.0	0.0	0.0
23	4.5	4.7	7.6	8.6	11.1	8.0	11.0	7.9
24	2.5	4.7	7.7	0.0	8.0	0.0	0.0	0.0
25	3.6	3.3	10.4	12.0	13.4	0.0	0.0	0.0
26	7.7F	12.4F	11.2	0.0	0.0	0.0	0.0	0.0
27	2.5	2.2	8.7	8.9	11.9	5.7	10.6	10.6
28	3.0	6.7	6.6	8.0	11.5	0.0	0.0	0.0
29	5.4S	7.0	10.0	12.6	13.1	8.2	12.4	7.3
30	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	5.5	7.0	9.4	10.1	9.6	8.2	0.0	0.0
32	4.7	8.5	8.8	0.0	0.0	0.0	0.0	0.0
33	3.6	7.3	4.6	10.5	11.0	0.0	0.0	0.0
34	4.0	3.1	9.0	0.0	0.0	0.0	0.0	0.0
35	3.1	0.0	4.4	11.5	10.5	9.6	0.0	0.0
36	1.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0
37	2.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
38	2.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0
39	4.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0
40	1.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0
41	1.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
42	3.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0
43	1.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
44	1.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0
45	1.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKW	SKW	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	2.50	4.60	7.90	9.60	10.55	7.40	11.00	7.90
MEAN	3.14	4.44	7.60	9.57	10.18	7.14	12.04	7.92
NOBS	35.00	33.00	24.00	16.00	16.00	9.00	5.00	5.00
SD	1.50	2.39	2.10	1.70	2.18	1.37	2.07	3.10
CV	50.93	48.75	27.68	17.76	21.41	19.24	17.23	39.19

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.45	4.10	7.70	9.60	10.50	7.40	11.00	7.90
MEAN	3.01	4.66	7.80	9.57	10.53	7.14	12.04	7.92
NOBS	34.00	32.00	23.00	16.00	15.00	9.00	5.00	5.00
SD	1.42	2.00	1.90	1.70	1.72	1.37	2.07	3.10
CV	47.15	42.93	24.40	17.76	16.35	19.24	17.23	39.19

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.40	3.60	7.70	9.60	10.50	7.40	11.00	7.90
MEAN	2.92	4.53	7.80	9.57	10.79	7.14	12.04	7.92
NOBS	33.00	31.00	23.00	16.00	14.00	9.00	5.00	5.00
SD	1.34	1.89	1.90	1.70	1.45	1.37	2.07	3.10
CV	46.04	41.73	24.40	17.76	13.44	19.24	17.23	39.19

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 54, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	1.8	3.4	6.4	13.7	4.1F	12.5	0.0	0.0
12	1.6	4.4	8.5	0.0	0.0	0.0	0.0	0.0
13	2.2	4.4	15.6	17.0	17.6	0.0	0.0	0.0
14	2.7	8.2	20.2	0.0	0.0	0.0	0.0	0.0
15	2.1	5.2	0.0	17.3	19.8	11.4	0.0	0.0
16	2.0	4.4	9.8	0.0	0.0	0.0	0.0	0.0
17	0.0	4.8	4.1F	5.5F	22.0	13.9	16.6	14.8
18	2.7	18.65	17.7	8.65	17.1	0.0	0.0	0.0
19	1.6	7.5	18.4	21.2	22.6	15.3	14.5	14.2
20	2.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0
21	5.0	11.3	14.2	14.2	17.4	0.0	0.0	0.0
22	4.7	11.3	17.0	18.4	20.6	0.0	0.0	0.0
23	3.8	8.4	0.0	17.4	20.0	15.3	14.7	14.3
24	12.5F	17.7F	19.4	21.7	22.7	0.0	0.0	0.0
25	5.2	4.6	11.9	15.9	17.8	0.0	0.0	0.0
26	2.7	0.0	16.3	0.0	0.0	0.0	0.0	0.0
27	2.6	6.5	13.1	0.0	20.4	18.4	0.0	20.1
28	3.4	5.7	10.5	17.2	0.0	0.0	0.0	0.0
29	2.4	0.0	10.2	17.2	17.1	17.7	20.6	20.6
30	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	5.5	15.85	13.6	19.4	21.1	13.5	0.0	0.0
32	5.1	12.1	17.8	0.0	0.0	0.0	0.0	0.0
33	7.75	15.0	19.5	21.6	21.0	0.0	0.0	0.0
34	4.1F	10.4	16.7	0.0	0.0	0.0	0.0	0.0
35	4.0	7.4	11.6	17.1	17.5	8.3	0.0	0.0
36	2.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0
37	2.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0
38	2.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0
39	2.7	11.2	0.0	0.0	0.0	0.0	0.0	0.0
40	3.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0
41	2.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
42	2.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0
43	5.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0
44	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
45	3.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	SKEW	NO	NO	SKEW	NO	NO	SKEW	SKEW

FIRST ITERATION

MODE	2.70	7.50	14.20	17.20	19.80	15.30	19.60	14.50
MEAN	3.44	8.45	14.10	18.52	18.49	14.64	19.10	14.76
NOBS	34.00	31.00	22.00	15.00	16.00	9.00	4.00	5.00
SD	2.39	4.09	4.50	4.41	3.30	3.39	1.73	0.59
CV	22.24	48.36	32.62	26.67	17.40	23.17	9.08	2.96

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.70	7.45	14.20	17.20	19.80	15.30	19.60	14.60
MEAN	3.40	8.15	14.50	17.26	19.65	14.64	19.10	14.76
NOBS	32.00	30.00	21.00	15.00	15.00	9.00	4.00	5.00
SD	1.59	3.77	4.12	3.40	2.08	3.39	1.73	0.54
CV	46.65	46.33	28.27	19.69	10.48	23.17	9.08	2.96

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.70	6.95	14.20	17.15	19.80	15.30	19.60	14.60
MEAN	3.15	7.57	14.58	17.88	19.65	14.64	19.10	14.76
NOBS	30.00	25.00	21.00	14.00	15.00	9.00	4.00	5.00
SD	1.28	3.19	4.12	2.50	2.06	3.39	1.73	0.54
CV	40.58	42.07	28.27	13.99	10.48	23.17	9.08	2.96

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 221, FIELD NUMBER 56, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	3.3	5.2	10.4	14.6	18.0	18.4	22.3	22.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3.7	6.3	14.5	17.5	22.2	19.2	23.3	22.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	4.8	12.4	17.0	18.5	21.9	16.7	21.6	21.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	3.6	17.8	21.5	21.6	24.0	20.4	17.5	20.5
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	SKEW	NO	SKEW	NO

FIRST ITERATION

MODE	3.65	9.35	15.75	18.00	22.05	18.80	21.95	21.80
MEAN	3.85	10.42	15.85	18.05	21.52	18.80	21.18	21.75
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	0.66	5.85	4.65	2.89	2.53	1.75	2.55	1.10
CV	17.03	56.10	29.32	16.00	11.74	9.28	12.03	5.04

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.65	9.35	15.75	18.00	22.05	18.80	21.95	21.80
MEAN	3.85	10.42	15.85	18.05	21.52	18.80	21.18	21.75
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	0.66	5.85	4.65	2.89	2.53	1.75	2.55	1.10
CV	17.03	56.10	29.32	16.00	11.74	9.28	12.03	5.04

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.65	9.35	15.75	18.00	22.05	18.80	21.95	21.80
MEAN	3.85	10.42	15.85	18.05	21.52	18.80	21.18	21.75
NOBS	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
SD	0.66	5.85	4.65	2.89	2.53	1.75	2.55	1.10
CV	17.03	56.10	29.32	16.00	11.74	9.28	12.03	5.04

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA: 1978 CULBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 2, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	32.7	30.4	32.3	33.1	29.1	0.0	0.0	0.0
22	32.5	30.3	30.2	30.0	26.4	0.0	0.0	0.0
23	32.0	44.6F	27.4	29.1	26.7	27.2	18.1	15.7
24	31.2	30.0	27.0	25.4	23.2	0.0	0.0	0.0
25	27.8	27.0	26.7	25.0	23.4	0.0	0.0	0.0
26	27.4	35.6S	26.8	0.0	0.0	0.0	0.0	0.0
27	28.0	27.1	26.5	26.8	27.9	26.9	0.0	20.6
28	27.3	26.6	26.4	26.1	27.3	26.0	0.0	0.0
29	29.5	28.7	28.4	28.5	28.7	26.3	25.3	21.3
30	30.3	30.5	30.5	0.0	0.0	0.0	0.0	0.0
31	31.5	32.6	32.3	32.4	32.5	31.3	0.0	0.0
32	33.3	29.8	30.2	0.0	0.0	0.0	0.0	0.0
33	24.8	24.9	25.6	21.2	20.7	0.0	0.0	0.0
34	27.5	26.2	26.1	0.0	0.0	0.0	0.0	0.0
35	29.2	31.2	29.9	29.9	29.4	26.9	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	SKEW	SKEW	NO	SKEW	NO	SKEW

FIRST ITERATION								
MODE	29.60	30.00	28.40	28.80	27.30	26.90	21.70	20.60
MEAN	29.73	30.40	28.69	28.05	26.90	27.72	21.70	19.20
NOHS	15.00	15.00	15.00	11.00	11.00	5.00	2.00	3.00
SD	2.49	4.80	2.21	3.43	3.28	2.03	5.09	3.05
CV	8.38	15.79	7.64	12.23	12.19	7.32	23.46	15.89

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	29.60	29.90	28.40	28.80	27.30	26.90	21.70	20.60
MEAN	29.73	29.39	28.69	28.05	26.90	27.72	21.70	19.20
NOHS	15.00	14.00	15.00	11.00	11.00	5.00	2.00	3.00
SD	2.49	2.86	2.21	3.43	3.28	2.03	5.09	3.05
CV	8.38	9.75	7.64	12.23	12.19	7.32	23.46	15.89

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	29.60	29.80	28.40	28.80	27.30	26.90	21.70	20.60
MEAN	29.73	28.91	28.69	28.05	26.90	27.72	21.70	19.20
NOHS	15.00	13.00	15.00	11.00	11.00	5.00	2.00	3.00
SD	2.49	2.33	2.21	3.43	3.28	2.03	5.09	3.05
CV	8.38	8.05	7.64	12.23	12.19	7.32	23.46	15.89

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 3, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	17.5	18.7	21.8	22.5	22.8	17.2	0.0	0.0
12	14.7	17.0	17.9	0.0	0.0	0.0	0.0	0.0
13	15.2	15.8	17.5	18.0	19.9	0.0	0.0	0.0
14	15.7	17.5	28.5S	0.0	0.0	0.0	0.0	0.0
15	4.7	13.0S	14.2	14.2S	15.4	15.2	0.0	0.0
16	18.8	20.1	22.4	0.0	0.0	0.0	0.0	0.0
17	20.3	20.5	22.8	21.8	22.1	22.1	21.6	24.0
18	10.1	20.2	21.5	21.1	20.5	0.0	0.0	0.0
19	19.9	22.3	22.4	23.8	24.5	14.7	23.4	19.3
20	12.4	17.3	18.2	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	13.8	24.2	26.2	25.6	20.1	0.0	0.0	0.0
23	12.7	24.0	27.4	26.5	22.6	22.5	21.7	20.3
24	15.4	23.7	24.9t	31.9t	0.0	0.0	0.0	0.0
25	12.0	16.1	17.2	0.0	18.8	0.0	0.0	0.0
26	13.1	18.1	19.1	0.0	0.0	0.0	0.0	0.0
27	4.0	18.0	21.2	23.4	20.7	20.4	20.7	21.0
28	15.2	21.5	22.2	19.2	17.8	0.0	0.0	0.0
29	15.8F	10.1F	16.7	16.8	17.0	16.0	16.8	15.5
30	13.4	18.0	20.0	0.0	0.0	0.0	0.0	0.0
31	0.0	22.0	24.4	23.4	24.8	26.1	0.0	0.0
32	19.2	19.8	18.2	0.0	0.0	0.0	0.0	0.0
33	23.9F	18.0	19.4	18.7	20.3	0.0	0.0	0.0
34	14.8	19.2	19.9	0.0	0.0	0.0	0.0	0.0
35	18.4	21.0	23.1	23.4	23.3	0.0	0.0	0.0
36	18.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0
37	13.5	16.7	0.0	0.0	0.0	0.0	0.0	0.0
38	16.9	17.0	0.0	0.0	0.0	0.0	0.0	0.0
39	11.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0
40	9.7	13.0	0.0	0.0	0.0	0.0	0.0	0.0
41	10.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0
42	11.9	15.0	0.0	0.0	0.0	0.0	0.0	0.0
43	15.8	17.8	0.0	0.0	0.0	0.0	0.0	0.0
44	14.8	18.7	0.0	0.0	0.0	0.0	0.0	0.0
45	16.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0
BI MODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	14.80	18.15	21.50	22.50	20.50	20.05	21.60	20.30
MEAN	14.65	18.39	21.37	21.49	20.71	19.90	20.84	20.02
NOBS	33.00	34.00	24.00	15.00	15.00	8.00	5.00	5.00
SD	3.75	3.11	3.91	4.30	2.71	3.68	2.46	3.08
CV	25.59	16.91	18.31	19.54	13.10	18.50	11.81	15.36

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	14.80	18.10	21.20	22.05	20.50	20.05	21.60	20.30
MEAN	14.63	18.64	21.01	21.30	20.71	19.90	20.84	20.02
NOBS	31.00	33.00	23.00	14.00	15.00	8.00	5.00	5.00
SD	3.08	2.79	3.58	3.50	2.71	3.68	2.46	3.08
CV	21.08	14.94	17.02	16.44	13.10	18.50	11.81	15.36

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	14.80	18.05	20.60	21.60	20.50	20.05	21.60	20.30
MEAN	14.63	18.82	20.66	21.85	20.71	19.90	20.84	20.02
NOBS	31.00	32.00	22.00	13.00	15.00	8.00	5.00	5.00
SD	3.08	2.64	3.28	2.96	2.71	3.68	2.46	3.08
CV	21.08	14.01	15.60	13.54	13.10	18.50	11.81	15.36

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 4, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.2	7.05	8.1	9.0	10.1	14.3	0.0	0.0
12	3.4	6.55	4.8	0.0	0.0	0.0	0.0	0.0
13	4.4	6.2	6.9	8.4	10.9	0.0	0.0	0.0
14	3.7	0.0	10.1	0.0	0.0	0.0	0.0	0.0
15	3.3	3.0	4.2	6.4	9.3	11.1	0.0	0.0
16	4.4	8.8	8.7	0.0	0.0	0.0	0.0	0.0
17	3.0	3.3	3.9	8.6	13.6	8.9F	11.9	12.1
18	3.5	4.0	7.5	9.9	11.6	0.0	0.0	0.0
19	3.3	2.9	3.1	4.5	7.1	15.0	15.2	13.8
20	1.1	2.6	4.6	0.0	0.0	0.0	0.0	0.0
21	4.2	4.5	4.8	4.8	10.3	0.0	0.0	0.0
22	4.4	6.1	9.1	10.7	21.9F	0.0	0.0	0.0
23	3.0	2.4	5.2	11.5	13.4	12.6	15.3	12.3
24	15.4F	5.2	10.1	10.2	12.4	0.0	0.0	0.0
25	1.8	2.2	4.5	6.9	8.1	0.0	0.0	0.0
26	3.1	5.0	20.7F	0.0	0.0	0.0	0.0	0.0
27	2.4	3.7	5.5	7.7	11.5	12.8	18.6	18.0
28	2.0	0.0	4.0	4.3	7.1	0.0	0.0	0.0
29	3.4	3.4	6.3	7.4	10.5	12.9	13.6	11.6
30	3.4	3.4	6.7	0.0	0.0	0.0	0.0	0.0
31	3.0	3.5	4.5	0.0	8.2	12.3	0.0	0.0
32	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	3.5	3.0	5.3	10.6	11.0	0.0	0.0	0.0
34	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.45	7.45	7.7	4.8	11.1	12.3	0.0	0.0
36	3.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
37	3.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0
38	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
39	3.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
40	2.7	12.1F	0.0	0.0	0.0	0.0	0.0	0.0
41	2.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
42	0.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
44	3.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0
45	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HTMODAL	NO	5KEH	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	3.15	3.60	6.30	8.40	10.90	12.60	15.20	12.30
MEAN	3.67	4.46	6.82	8.09	11.06	12.47	14.92	13.56
NOBS	34.00	33.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	2.51	2.12	3.53	2.29	3.40	1.76	2.48	2.61
CV	68.42	47.54	51.72	28.29	30.73	14.11	16.63	19.28

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.10	3.60	6.15	8.40	10.70	12.45	15.20	12.30
MEAN	3.27	4.08	6.24	8.09	10.39	12.91	14.92	13.56
NOBS	33.00	31.00	24.00	17.00	16.00	8.00	5.00	5.00
SD	0.93	1.44	2.08	2.29	2.00	1.22	2.48	2.61
CV	28.34	35.36	33.05	28.29	19.29	9.45	16.63	19.28

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.10	3.60	6.15	8.40	10.70	12.45	15.20	12.30
MEAN	3.23	3.84	6.24	8.09	10.39	12.91	14.92	13.56
NOBS	31.00	29.00	24.00	17.00	16.00	8.00	5.00	5.00
SD	0.67	1.15	2.08	2.29	2.00	1.22	2.48	2.61
CV	20.61	30.05	33.05	28.29	19.29	9.45	16.63	19.28

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 5, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.8	4.5	5.0	6.9	7.7	7.5	0.0	0.0
12	3.0	16.6F	4.9	0.0	0.0	0.0	0.0	0.0
13	2.8	3.1	4.5	6.9	8.5	0.0	0.0	0.0
14	4.4	5.6	7.7	0.0	0.0	0.0	0.0	0.0
15	4.2	6.1	7.3	8.5	9.1	9.6	0.0	0.0
16	4.7	5.2	5.7	0.0	0.0	0.0	0.0	0.0
17	4.5	5.1	6.7	9.3	5.2	15.2F	13.5	8.2
18	7.1	7.2	8.8	9.3	10.0	0.0	0.0	0.0
19	3.3	5.0	5.2	7.3	8.7	8.3	7.7	10.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	4.3	3.8	5.1	0.0	0.0	0.0	0.0	0.0
26	5.5	5.6	8.3	11.0	13.1	10.4	9.5	8.4
27	5.7	6.7	6.6	17.8	11.6	0.0	0.0	0.0
28	6.6	8.4	11.2F	14.4F	14.6	11.3	13.4	12.7
29	7.1	8.3	8.3	0.0	0.0	0.0	0.0	0.0
30	2.2	3.2	4.9	5.8	6.3	7.3	0.0	0.0
31	4.7	5.4	7.4	0.0	0.0	0.0	0.0	0.0
32	12.1F	4.5	4.9	5.8	6.2	0.0	0.0	0.0
33	4.8	3.1	6.8	0.0	0.0	0.0	0.0	0.0
34	4.8	0.4	5.9	6.5	6.2	7.4	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	4.70	5.60	6.60	7.55	8.10	9.05	11.45	9.90
MEAN	5.08	6.00	6.58	8.29	8.77	9.75	11.02	10.17
NOBS	20.00	20.00	21.00	12.00	12.00	8.00	4.00	4.00
SD	2.13	2.95	1.67	2.48	3.01	2.61	2.90	2.04
CV	41.48	49.09	25.39	29.86	34.38	26.78	26.26	20.00

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.70	5.60	6.30	7.30	8.10	8.50	11.45	9.90
MEAN	4.71	5.43	6.34	7.74	8.77	8.97	11.02	10.17
NOBS	19.00	19.00	20.00	11.00	12.00	7.00	4.00	4.00
SD	1.39	1.53	1.32	1.64	3.01	1.52	2.90	2.04
CV	29.41	28.14	20.87	21.14	34.38	16.90	26.26	20.00

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.70	5.40	6.30	7.30	8.10	8.50	11.45	9.90
MEAN	4.71	5.24	6.34	7.74	8.77	8.97	11.02	10.17
NOBS	19.00	18.00	20.00	11.00	12.00	7.00	4.00	4.00
SD	1.39	1.31	1.32	1.64	3.01	1.52	2.90	2.04
CV	29.41	25.08	20.87	21.14	34.38	16.90	26.26	20.00

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 6, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	6.4	11.9	14.1	15.1	17.7	13.7	0.0	0.0
12	10.9S	18.7F	18.9	0.0	0.0	0.0	0.0	0.0
13	3.1	8.0	11.9	17.5	18.9	0.0	0.0	0.0
14	6.7	16.4	19.3	0.0	0.0	0.0	0.0	0.0
15	6.2	12.5	13.5	17.1	15.5	7.2	0.0	0.0
16	4.7	13.6	17.9	0.0	0.0	0.0	0.0	0.0
17	4.1	7.6	12.5	13.1S	16.8	14.8	11.3	17.3
18	3.6	6.8	14.5	17.6	18.6	0.0	0.0	0.0
19	3.3	12.4	14.1	17.2	17.9	8.7	15.0	13.0
20	17.7F	7.5	14.7	0.0	0.0	0.0	0.0	0.0
21	7.4	13.0	16.8	14.3	19.6	0.0	0.0	0.0
22	10.9S	14.3	15.3	18.3	15.8	0.0	0.0	0.0
23	4.0	8.5	13.5	16.9	18.8	7.0	17.0	15.3
24	3.4	5.6	10.7	0.9F	38.5F	0.0	0.0	0.0
25	3.4	11.9	0.0	21.7	19.0	0.0	0.0	0.0
26	4.9	13.3	18.3	0.0	0.0	0.0	0.0	0.0
27	3.6	10.7	16.7	18.3	19.5	13.0	19.7	15.1
28	4.1	9.5	15.9	17.6	19.6	0.0	0.0	0.0
29	3.4	13.2	16.2	17.0	17.3	16.7	20.0	20.2
30	3.9	15.1	14.5	0.0	0.0	0.0	0.0	0.0
31	5.7	17.2	0.0	22.9S	24.1S	21.0	0.0	0.0
32	0.0	0.0	20.7	0.0	0.0	0.0	0.0	0.0
33	3.6	14.4	17.8	20.7	21.4	0.0	0.0	0.0
34	3.7	13.4	18.4	0.0	0.0	0.0	0.0	0.0
35	4.0	10.1	16.6	19.1	20.3	12.7	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	5.3	12.0	0.0	0.0	0.0	0.0	0.0	0.0
38	8.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0
39	3.3	9.5	0.0	0.0	0.0	0.0	0.0	0.0
40	7.2	11.6	0.0	0.0	0.0	0.0	0.0	0.0
41	3.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0
42	3.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0
43	5.3	9.4	0.0	0.0	0.0	0.0	0.0	0.0
44	4.6	15.3	0.0	0.0	0.0	0.0	0.0	0.0
45	3.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	SKEW	NO	NO	NO

FIRST ITERATION								
MODE	5.30	11.90	15.90	17.60	18.90	13.00	17.00	15.30
MEAN	5.84	11.54	15.79	17.02	20.15	12.76	16.80	16.18
NOBS	33.00	33.00	23.00	17.00	17.00	9.00	5.00	5.00
SU	3.08	3.20	2.55	4.74	5.10	4.60	3.52	2.71
CV	52.39	27.62	16.12	27.84	25.29	36.04	20.96	16.78

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	5.10	11.75	15.90	17.55	18.85	13.00	17.00	15.30
MEAN	5.52	11.37	15.79	18.02	19.00	12.76	16.80	16.18
NOBS	32.00	32.00	23.00	16.00	16.00	9.00	5.00	5.00
SU	2.28	2.48	2.55	2.35	1.96	4.60	3.52	2.71
CV	41.24	26.24	16.12	13.06	10.30	36.04	20.96	16.78

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	4.50	11.75	15.90	17.35	18.80	13.00	17.00	15.30
MEAN	5.16	11.37	15.79	18.03	18.66	12.76	16.80	16.18
NOBS	30.00	32.00	23.00	14.00	15.00	9.00	5.00	5.00
SU	1.85	2.48	2.55	1.64	1.46	4.60	3.52	2.71
CV	35.77	26.24	16.12	9.11	7.81	36.04	20.96	16.78

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 7, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.5	4.3	6.8	8.4	8.8	0.6	0.0	0.0
12	3.9	3.3	7.8	0.0	0.0	0.0	0.0	0.0
13	3.1	3.3	5.2	7.0	8.6	0.0	0.0	0.0
14	2.0	4.1	6.0	0.0	0.0	0.0	0.0	0.0
15	4.0	4.7	7.7	10.5	11.2	8.4	0.0	0.0
16	3.4	3.8	6.5	0.0	0.0	0.0	0.0	0.0
17	3.3	3.7	3.9	8.5	8.2	14.6S	11.4	16.8
18	3.0F	3.7	4.7	11.4F	17.6S	0.0	0.0	0.0
19	3.3	3.0	4.0	10.6F	13.6S	17.1F	15.7	16.4
20	3.1	4.5	7.5	0.0	0.0	0.0	0.0	0.0
21	3.0	1.8S	4.6	5.2	21.2F	0.0	0.0	0.0
22	3.4	2.5S	3.6	6.3	5.4	0.0	0.0	0.0
23	3.3	3.1	4.0	5.1	6.9	8.4	9.5	8.1
24	3.0	3.2	4.3	5.0	7.1	0.0	0.0	0.0
25	3.6	2.8	3.5	5.1	4.0	0.0	0.0	0.0
26	3.7	4.2	7.0	0.0	0.0	0.0	0.0	0.0
27	3.2	3.4	6.1	7.3	8.0	6.4	4.2	4.8
28	3.2	4.8	7.4	8.6	10.2	0.0	0.0	0.0
29	3.4	4.2	5.0	7.8	9.1	6.2	11.8	4.2
30	3.6	4.4	6.1	0.0	0.0	0.0	0.0	0.0
31	3.1	3.1	4.7	4.0	4.5	7.9	0.0	0.0
32	3.2	4.0	4.1	0.0	0.0	0.0	0.0	0.0
33	3.8	2.6	4.3	4.1	6.0	0.0	0.0	0.0
34	3.9	3.2	4.8	5.0	6.0	0.0	0.0	0.0
35	3.7	3.8	4.8	5.9	6.7	5.7	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SKEW	SKEW	NO	SKEW

FIRST ITERATION

MODE	3.10	3.80	4.80	7.00	8.20	7.90	11.80	9.80
MEAN	3.05	3.78	5.45	7.18	9.27	9.03	11.62	12.06
NOBS	24.00	25.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	0.50	1.16	1.45	2.33	4.53	4.03	2.60	4.19
CV	16.52	30.84	26.51	32.47	48.84	44.65	22.40	34.75

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.10	3.80	4.80	6.65	8.10	7.25	11.80	9.80
MEAN	3.09	3.61	5.45	6.88	8.52	8.02	11.62	12.06
NOBS	23.00	24.00	25.00	16.00	16.00	8.00	5.00	5.00
SD	0.46	0.85	1.45	2.05	3.43	2.85	2.60	4.19
CV	14.92	23.45	26.51	29.83	40.27	35.54	22.40	34.75

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.10	3.80	4.80	6.65	8.00	6.60	11.80	9.80
MEAN	3.09	3.70	5.45	6.88	7.92	7.09	11.62	12.06
NOBS	23.00	23.00	25.00	16.00	15.00	7.00	5.00	5.00
SD	0.46	0.75	1.45	2.05	2.52	1.12	2.60	4.19
CV	14.92	20.19	26.51	29.83	31.83	15.81	22.40	34.75

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 8, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.0	4.1	6.3	5.3	6.8	7.9	0.0	0.0
12	1.75	2.6	1.2F	0.0	0.0	0.0	0.0	0.0
13	3.1	3.4	4.8	5.7	5.3	0.0	0.0	0.0
14	3.8	4.4	6.2	0.0	0.0	0.0	0.0	0.0
15	3.9	4.4	5.0	4.4	6.4	6.7	0.0	0.0
16	3.1	4.4	5.4	0.0	0.0	0.0	0.0	0.0
17	3.2	5.6	5.0	6.7	6.1	7.0	7.7	9.1
18	2.8	2.8	1.1F	4.4	4.4	0.0	0.0	0.6
19	2.7	2.8	3.5	1.2F	5.0	5.7	7.7	9.0
20	3.3	3.3	3.8	0.0	0.0	0.0	0.0	0.0
21	3.2	3.2	3.7	5.4	5.5	0.0	0.0	0.0
22	1.7F	0.0	4.5	0.5	7.2	0.0	0.0	0.0
23	0.7F	2.7	2.85	4.8	4.5	3.7	8.6	8.8
24	4.0	3.7	7.0	7.4	9.2	0.0	0.0	0.0
25	4.7	3.9	5.1	6.7	8.1	0.0	0.0	0.0
26	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
27	4.7	5.5	5.6	7.9	8.4	5.3	7.1	8.7
28	4.2	4.0	6.5	6.9	7.6	0.0	0.0	0.0
29	4.3	4.4	5.3	6.0	7.4	5.9	8.0	9.5
30	4.3	5.0	5.0	0.0	0.0	0.0	0.0	0.0
31	4.9	5.1F	7.0	8.2	8.5	5.9	0.0	0.0
32	6.05	6.7F	7.2	0.0	0.0	0.0	0.0	0.0
33	3.0	4.3	4.7	6.0	6.8	0.0	0.0	0.0
34	3.2	4.4	5.7	0.0	0.0	0.0	0.0	0.0
35	4.4	4.2	6.4	8.2	8.2	6.6	0.0	0.0
36	5.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0
37	5.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0
38	4.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0
39	4.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0
40	4.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0
41	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
42	3.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0
43	3.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0
44	3.0	3.95	0.0	0.0	0.0	0.0	0.0	0.0
45	4.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0
HIMODAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	4.05	3.90	5.05	6.00	6.80	6.60	7.70	9.00
MEAN	3.83	3.94	4.95	6.04	6.79	6.41	7.82	9.02
NOBS	34.00	35.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	1.10	1.04	1.63	1.73	1.48	0.79	0.55	0.31
CV	28.85	26.54	33.03	28.70	21.76	12.37	6.97	3.45

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.00	3.90	5.00	6.00	6.80	6.60	7.70	9.00
MEAN	3.92	3.86	5.30	6.34	6.79	6.41	7.82	9.02
NOBS	33.00	34.00	22.00	16.00	17.00	9.00	5.00	5.00
SD	0.97	0.94	1.19	1.24	1.48	0.79	0.55	0.31
CV	24.76	24.42	22.56	19.60	21.76	12.37	6.97	3.45

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.90	3.90	5.00	6.00	6.80	6.60	7.70	9.00
MEAN	3.93	3.92	5.41	6.34	6.79	6.41	7.82	9.02
NOBS	31.00	33.00	21.00	16.00	17.00	9.00	5.00	5.00
SD	0.84	0.89	1.08	1.24	1.48	0.79	0.55	0.31
CV	21.27	22.72	20.00	19.60	21.76	12.37	6.97	3.45

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 9, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.8	12.35	17.2	16.4	19.2	13.8	0.0	0.0
12	4.2	12.25	16.9	0.0	0.0	0.0	0.0	0.0
13	4.0	8.5	15.0	18.5	21.6	0.0	0.0	0.0
14	4.5	8.1	16.5	0.0	0.0	0.0	0.0	0.0
15	3.8	7.2	51.2F	22.4	24.1	23.0	0.0	0.0
16	4.4	7.2	15.0	0.0	0.0	0.0	0.0	0.0
17	7.35	13.0F	17.2	19.1	19.1	21.2	8.0	21.8
18	6.0	7.4	15.7	20.1	22.5	0.0	0.0	0.0
19	4.2	7.3	15.0	20.2	22.3	22.6	20.5	24.5
20	4.5	8.8	16.4	0.0	0.0	0.0	0.0	0.0
21	3.8	8.8	4.45	0.0F	39.6F	0.0	0.0	0.0
22	3.7	5.3	9.1	13.1	17.1	0.0	0.0	0.0
23	4.1	4.1	12.1	18.0	20.3	24.5	20.1	24.1
24	3.8	4.4	11.0	17.2	21.2	0.0	0.0	0.0
25	4.2	7.2	15.0	14.2	21.1	0.0	0.0	0.0
26	4.4	5.2	8.4	0.0	0.0	0.0	0.0	0.0
27	7.5F	13.0F	15.1	17.4	20.2	0.0	7.7	19.6
28	5.4	6.0	15.9	22.2	22.3	0.0	0.0	0.0
29	3.1	4.1	13.1	12.15	18.0	22.5	12.1	23.8
30	5.3	7.4	14.1	0.0	0.0	0.0	0.0	0.0
31	3.7	5.3	13.4	16.5	19.3	16.4	0.0	0.0
32	5.4	5.1	7.8	0.0	0.0	0.0	0.0	0.0
33	5.5	12.05	16.5	19.3	21.8	0.0	0.0	0.0
34	3.5	4.3	0.3	0.0	0.0	0.0	0.0	0.0
35	2.5	5.0	11.9	17.6	21.1	17.0	0.0	0.0
36	3.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0
37	3.4	12.75	0.0	0.0	0.0	0.0	0.0	0.0
38	1.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0
39	3.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0
40	1.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
41	2.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0
42	4.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0
43	4.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
45	4.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SAME	NO	SAME	NO	SAME	SAME	SAME

FIRST ITERATION

MODE	4.30	6.40	15.00	18.00	21.10	21.85	12.10	23.80
MEAN	4.30	7.25	14.42	17.10	21.81	20.12	13.68	22.76
NOBS	34.00	33.00	25.00	17.00	17.00	8.00	5.00	5.00
SD	1.35	2.12	4.20	4.96	4.91	3.85	6.29	2.05
CV	24.05	38.59	28.27	29.02	22.52	19.15	45.98	9.01

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.20	6.30	15.00	17.95	21.10	21.85	12.10	23.80
MEAN	4.47	6.91	13.42	16.11	20.70	20.12	13.68	22.76
NOBS	32.00	33.00	24.00	16.00	16.00	8.00	5.00	5.00
SD	1.00	2.43	3.50	2.77	1.83	3.85	6.29	2.05
CV	22.34	35.15	25.44	15.29	8.62	19.15	45.98	9.01

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.20	6.30	15.00	17.90	21.10	21.85	12.10	23.80
MEAN	4.38	6.16	13.87	16.51	20.70	20.12	13.68	22.76
NOBS	31.00	29.00	23.00	15.00	16.00	8.00	5.00	5.00
SD	0.77	1.41	2.42	2.34	1.53	3.85	6.29	2.05
CV	19.84	22.91	21.47	12.63	8.82	19.15	45.98	9.01

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 10, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	8.2	9.4F	11.1	11.9	14.0	13.6	0.0	0.0
12	3.2	4.1	7.8	0.0	0.0	0.0	0.0	0.0
13	2.8	3.4	6.4	11.1	12.3	0.0	0.0	0.0
14	3.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0
15	2.8	3.7	5.0	7.5	1.9	9.3	0.0	0.0
16	3.7	5.4	7.8	0.0	0.0	0.0	0.0	0.0
17	2.6	2.9	3.6	5.9	8.5	9.9	13.9	13.4
18	3.9	6.0	11.6S	9.9	14.4	0.0	0.0	0.0
19	2.8	3.2	4.8	0.0	9.4	10.3	11.1	10.3
20	1.7	3.1	7.6	0.0	0.0	0.0	0.0	0.0
21	21.0S	1.5	2.6	2.4	2.6	0.0	0.0	0.0
22	2.0	1.8	5.5	9.1	10.1	0.0	0.0	0.0
23	4.5	6.1S	10.5	11.0	10.7	6.5	12.7	14.7
24	2.9	2.9	6.0	7.2	9.7	0.0	0.0	0.0
25	2.6	3.1	4.5	6.9	10.6	0.0	0.0	0.0
26	38.8F	1.4	1.6	0.0	0.0	0.0	0.0	0.0
27	2.4F	2.5	4.1	9.7	9.9	8.6	13.2	12.6
28	3.6	4.6	7.8	10.1	9.8	0.0	0.0	0.0
29	3.5	0.5S	13.4F	18.8F	18.6A	11.8	10.1	11.1
30	2.8	3.1	4.8F	0.0	0.0	0.0	0.0	0.0
31	34.1S	2.7	2.1	2.3	3.0	2.6A	0.0	0.0
32	41.1F	1.9	2.0	0.0	0.0	0.0	0.0	0.0
33	54.2F	2.2	3.0	1.5	2.7	0.0	0.0	0.0
34	6.2	7.7F	6.3	0.0	0.0	0.0	0.0	0.0
35	2.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0
36	1.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
37	9.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0
38	1.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
39	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
40	1.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0
41	3.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
42	1.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0
43	1.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
44	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
45	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKREW	SKREW	NO	NO	SKREW	NO	SKREW	NO

FIRST ITERATION

MODE	2.90	3.10	5.50	8.55	9.85	9.60	12.70	12.60
MEAN	8.22	3.57	6.08	8.33	9.26	9.07	12.20	12.42
NOBS	35.00	35.00	23.00	16.00	16.00	8.00	5.00	5.00
SD	13.08	1.84	3.24	4.27	4.71	3.36	1.56	1.76
CV	159.07	51.50	53.35	51.25	50.81	37.00	12.80	14.19

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.80	2.90	5.25	8.00	9.85	9.60	12.70	12.60
MEAN	4.80	3.26	5.75	7.63	9.26	9.07	12.20	12.42
NOBS	32.00	33.00	22.00	15.00	16.00	8.00	5.00	5.00
SD	6.51	1.37	2.89	3.34	4.71	3.36	1.56	1.76
CV	135.51	42.13	50.30	43.81	50.81	37.00	12.80	14.19

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.80	2.90	5.00	8.00	9.85	9.60	12.70	12.60
MEAN	3.29	3.07	5.47	7.63	9.26	9.07	12.20	12.42
NOBS	30.00	31.00	21.00	15.00	16.00	8.00	5.00	5.00
SD	2.06	1.17	2.64	3.34	4.71	3.36	1.56	1.76
CV	62.81	38.01	48.32	43.81	50.81	37.00	12.80	14.19

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 11, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.2	3.3	5.8	7.0	9.0	12.7	0.0	0.0
12	4.2	5.6	8.4	0.0	0.0	0.0	0.0	0.0
13	5.3	8.5F	7.4	6.7	15.3	0.0	0.0	0.0
14	4.3	4.4	9.4	0.0	0.0	0.0	0.0	0.0
15	4.7	5.6	7.4	11.3	13.1	12.7	0.0	0.0
16	5.1	5.0	9.2	0.0	0.0	0.0	0.0	0.0
17	5.2	5.5	8.8	8.9	10.3	9.0	14.5	11.3
18	4.1	5.0	8.4	11.2	10.3	0.0	0.0	0.0
19	4.7	5.3	7.9	12.8	13.3	12.5	6.1	9.3
20	4.1	5.2	5.6	0.0	0.0	0.0	0.0	0.0
21	4.2	4.7	6.8	4.8	12.6	0.0	0.0	0.0
22	2.9	4.4	7.7	9.2	11.7	0.0	0.0	0.0
23	4.6	5.9	7.7	11.8	13.4	13.0	17.8	8.0
24	3.5	4.4	5.9	7.0	8.7	0.0	0.0	0.0
25	3.3	4.2	7.8	6.6	12.2	0.0	0.0	0.0
26	3.4	4.7	6.0	0.0	0.0	0.0	0.0	0.0
27	4.5	7.3	10.9	2.9F	14.2	13.9	5.5	15.7
28	4.8	4.6	6.2	10.2	12.2	0.0	0.0	0.0
29	5.4	8.7	11.1	12.5	14.3	9.7	8.7	16.0
30	4.3	5.0	6.2	0.0	0.0	0.0	0.0	0.0
31	2.7	5.5	7.8	11.9	13.9	14.1	0.0	0.0
32	5.5	8.7F	11.2	0.0	0.0	0.0	0.0	0.0
33	5.5	8.3F	11.4	13.6	14.3	0.0	0.0	0.0
34	3.2	0.0	6.4	0.0	0.0	0.0	0.0	0.0
35	2.6	4.4	11.1	14.1	15.2	11.2	0.0	0.0
36	2.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0
37	3.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0
38	3.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0
39	3.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
40	3.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0
41	3.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
42	3.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
43	3.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0
44	3.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0
45	3.0F	3.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	SKEW	NO	NO	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	3.80	5.00	7.80	10.20	13.10	12.70	8.70	11.30
MEAN	4.91	5.36	8.12	9.56	12.62	12.09	10.52	12.06
NOBS	35.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	0.69	1.46	1.87	3.26	2.04	1.77	5.41	3.66
CV	136.35	27.26	22.98	34.13	16.14	14.65	51.39	30.31

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.75	4.95	7.80	9.70	13.10	12.70	8.70	11.30
MEAN	3.79	4.93	8.12	9.97	12.62	12.09	10.52	12.06
NOBS	34.00	30.00	25.00	16.00	17.00	9.00	5.00	5.00
SD	0.91	0.91	1.87	2.87	2.04	1.77	5.41	3.66
CV	24.04	18.50	22.98	28.73	16.14	14.65	51.39	30.31

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.70	4.90	7.80	9.70	13.10	12.70	8.70	11.30
MEAN	3.72	4.99	8.12	9.97	12.62	12.09	10.52	12.06
NOBS	33.00	27.00	25.00	16.00	17.00	9.00	5.00	5.00
SD	0.94	0.85	1.87	2.87	2.04	1.77	5.41	3.66
CV	22.69	13.04	22.98	28.73	16.14	14.65	51.39	30.31

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 12, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.5	5.1	5.2	5.9	15.7	13.4	0.0	0.0
12	3.3	3.5	4.4	0.0	0.0	0.0	0.0	0.0
13	2.9	3.7	4.1	9.5	16.7	0.0	0.0	0.0
14	4.1	21.8F	6.3	0.0	0.0	0.0	0.0	0.0
15	3.5	3.5	7.4	12.8	23.1	16.2	0.0	0.0
16	3.2	4.1	7.4	0.0	0.0	0.0	0.0	0.0
17	3.0	2.9	3.1	9.3	12.0F	39.0F	17.8	17.8
18	3.0	2.9	3.7	11.2	17.9	0.0	0.0	0.0
19	3.0	2.9	3.8	13.6	17.9	15.8	15.3	18.4
20	3.0	3.5	7.8	0.0	0.0	0.0	0.0	0.0
21	3.3	3.4	10.6	20.6	21.7	0.0	0.0	0.0
22	2.9	4.4	13.5	16.6	20.7	0.0	0.0	0.0
23	2.8	3.3	13.2	13.1	13.2S	13.9	15.0	18.2
24	2.8	3.8	3.4	8.8	15.8	0.0	0.0	0.0
25	4.4	5.6	7.5	20.9	22.1	0.0	0.0	0.0
26	4.4	3.3	5.5	0.0	0.0	0.0	0.0	0.0
27	3.4	9.2	17.8F	17.2	21.1	17.1	15.9	15.3
28	3.3	5.7	8.3	16.8	19.2	0.0	0.0	0.0
29	3.3	5.2	10.8	18.5	20.9	19.1	16.8	18.0
30	3.3	3.0	6.7	20.0	20.0	0.0	0.0	0.0
31	3.4	12.6S	18.7F	20.4	22.6	20.0	0.0	0.0
32	2.3	3.0	5.2	0.0	0.0	0.0	0.0	0.0
33	3.3	5.3	12.1	15.2	17.3	0.0	0.0	0.0
34	3.3	5.1	11.9	20.0	0.0	0.0	0.0	0.0
35	37.9F	12.8S	8.8	22.4	22.3	16.7	0.0	0.0
36	3.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0
37	3.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0
38	3.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0
39	3.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0
40	3.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
41	2.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0
42	2.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0
43	2.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0
44	3.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0
45	4.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION

MODE	3.20	4.30	7.40	15.20	19.20	16.70	15.90	18.00
MEAN	4.33	5.44	8.10	15.08	18.84	19.02	16.16	17.54
NOBS	35.00	35.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	6.03	3.76	4.24	4.47	3.38	7.79	1.15	1.27
CV	139.13	69.11	52.38	29.65	17.93	40.95	7.09	7.25

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.15	4.20	7.20	15.20	18.55	16.45	15.90	18.00
MEAN	3.34	4.96	7.22	15.08	19.26	16.52	16.16	17.54
NOBS	34.00	34.00	23.00	17.00	16.00	8.00	5.00	5.00
SD	1.50	2.49	3.07	4.47	2.98	2.28	1.15	1.27
CV	44.99	50.27	42.57	29.65	15.45	13.79	7.09	7.25

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.10	3.95	6.95	15.20	17.90	16.45	15.90	18.00
MEAN	3.11	4.47	6.93	15.08	19.67	16.52	16.16	17.54
NOBS	33.00	32.00	22.00	17.00	15.00	8.00	5.00	5.00
SD	0.63	1.58	2.81	4.47	2.59	2.28	1.15	1.27
CV	20.27	35.37	40.61	29.65	13.15	13.79	7.09	7.25

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 13, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.3	7.2S	14.4	16.3	15.5	16.6	0.0	0.0
12	6.6S	4.1	17.9F	0.0	0.0	0.0	0.0	0.0
13	15.9F	12.1F	9.2	0.0	4.4	0.0	0.0	0.0
14	4.0	6.5	7.0	0.0	0.0	0.0	0.0	0.0
15	3.2	5.5	8.8	10.8	13.1	13.2	0.0	0.0
16	3.2	4.2	11.9	0.0	0.0	0.0	0.0	0.0
17	3.0	12.4F	17.5S	20.7F	21.8	19.7	23.4	23.4
18	3.3	7.4	7.4	11.6	17.4	0.0	0.0	0.0
19	3.0	5.3	12.4	16.1	0.0	12.5	19.3	16.8
20	3.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0
21	3.8	6.8	8.2	0.0	13.2	0.0	0.0	0.0
22	3.7	4.4	6.0	14.3	24.4	0.0	0.0	0.0
23	3.9	3.3	0.1	10.2	16.8	17.3	19.6	19.4
24	3.2	3.5	3.9	12.6	17.4	0.0	0.0	0.0
25	3.0	4.4	4.4	5.3	11.7	0.0	0.0	0.0
26	3.0	5.5	10.0	0.0	0.0	0.0	0.0	0.0
27	3.0	3.5	2.2	8.9	15.7	12.6	21.7	21.3
28	3.1	3.6	4.3	6.7	9.2	0.0	0.0	0.0
29	3.3	3.6	5.6	5.6	7.4	16.9	17.6	0.0
30	3.8	3.3	5.0	0.0	0.0	0.0	0.0	0.0
31	17.5F	17.0F	13.2	7.4	0.0	17.2	0.0	0.0
32	3.7F	4.0	13.6	0.0	0.0	0.0	0.0	0.0
33	3.4	1.1	2.5	5.5	10.8	0.0	0.0	0.0
34	3.3	4.2	8.2	0.0	0.0	0.0	0.0	0.0
35	3.6	3.4	5.4	4.3	11.3	9.7	0.0	0.0
36	3.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0
37	3.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
38	3.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0
39	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40	3.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0
41	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
42	3.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
43	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
44	3.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
45	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	3.10	4.10	8.20	9.75	13.20	16.60	19.60	20.35
MEAN	3.81	5.03	8.38	10.28	14.01	15.08	20.32	20.22
NOBS	35.00	35.00	25.00	16.00	15.00	9.00	5.00	4.00
SD	3.35	3.08	4.65	4.69	5.27	3.20	2.26	2.81
CV	88.08	61.37	55.47	45.60	37.59	21.19	11.10	13.88

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	3.00	4.05	7.80	9.30	13.20	16.60	19.60	20.35
MEAN	3.03	4.20	7.98	9.59	14.01	15.08	20.32	20.22
NOBS	33.00	32.00	24.00	15.00	15.00	9.00	5.00	4.00
SD	0.95	1.32	4.29	3.91	5.27	3.20	2.26	2.81
CV	31.36	31.36	53.78	40.77	37.59	21.19	11.10	13.88

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	3.00	4.00	7.40	9.30	13.20	16.60	19.60	20.35
MEAN	2.92	4.10	7.57	9.59	14.01	15.08	20.32	20.22
NOBS	32.00	31.00	23.00	15.00	15.00	9.00	5.00	4.00
SD	0.71	1.22	3.87	3.91	5.27	3.20	2.26	2.81
CV	24.39	29.68	51.11	40.77	37.59	21.19	11.10	13.88

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 14, CROP - PASTURE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.6	4.2	6.1	7.1	8.1	5.6	0.0	0.0
12	3.8	4.7	7.2	0.0	0.0	0.0	0.0	0.0
13	4.0	3.8	5.4	6.7	7.1	0.0	0.0	0.0
14	3.5	4.2	6.0	0.0	0.0	0.0	0.0	0.0
15	2.9	4.4	6.1	6.9	0.0	5.5	0.0	0.0
16	3.0	4.3	4.9	0.0	0.0	0.0	0.0	0.0
17	7.6	11.2F	14.2F	14.1F	15.2F	9.8	9.7	10.0
18	5.1	6.9	8.0	9.9	10.7	0.0	0.0	0.0
19	3.7	6.0	7.6	7.8	8.6	6.9	8.5	7.7
20	4.4	5.8	6.4	0.0	0.0	0.0	0.0	0.0
21	3.3	3.7	6.7	8.0	7.9	0.0	0.0	0.0
22	7.7	5.7	4.7	7.2	8.4	0.0	0.0	0.0
23	6.8	7.3	7.4	10.5S	9.9	8.5	8.4	9.4
24	5.0	5.4	5.2	6.7	8.6	0.0	0.0	0.0
25	4.2	4.8	6.1	6.7	7.9	0.0	0.0	0.0
26	4.5	4.4	6.4	0.0	0.0	0.0	0.0	0.0
27	5.3	4.4	7.6	8.0	7.6	7.4	8.8	10.9
28	8.8	4.8	7.2	7.9	8.8	0.0	0.0	0.0
29	8.7	5.3	6.9	8.4	9.1	7.1	8.1	8.9
30	0.0	4.5	6.0	0.0	0.0	0.0	0.0	0.0
31	5.6	6.6	7.9	9.7	10.7	10.6	0.0	0.0
32	6.1	7.0	7.5	0.0	0.0	0.0	0.0	0.0
33	4.4	4.0	5.2	8.0	7.9	0.0	0.0	0.0
34	4.4	8.2S	7.9	0.0	0.0	0.0	0.0	0.0
35	5.2	6.4	7.7	8.7	9.8	8.6	0.0	0.0
36	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
37	3.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0
38	0.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0
39	0.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0
40	5.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0
41	7.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0
42	6.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0
43	6.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0
44	5.1	5.5	0.0	0.0	0.0	0.0	0.0	0.0
45	5.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	SKEN	NO	NO	NO	SKEN	NO	NO	NO

FIRST ITERATION

MODE	5.15	4.80	6.80	8.00	8.60	7.90	8.50	9.40
MEAN	5.36	5.41	6.91	8.37	9.14	7.83	8.70	9.38
NOBS	34.00	33.00	25.00	17.00	16.00	9.00	5.00	5.00
SD	1.81	1.50	1.82	1.87	1.93	1.75	0.61	1.20
CV	33.82	26.77	26.37	22.36	21.15	22.29	7.04	12.78

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.15	4.80	6.75	7.95	8.60	7.90	8.50	9.40
MEAN	5.36	5.24	6.60	8.01	8.74	7.83	8.70	9.38
NOBS	34.00	34.00	24.00	16.00	15.00	9.00	5.00	5.00
SD	1.81	1.21	1.03	1.19	1.10	1.75	0.61	1.20
CV	33.82	23.01	15.54	14.83	12.59	22.29	7.04	12.78

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.15	4.80	6.75	7.90	8.60	7.90	8.50	9.40
MEAN	5.36	5.15	6.60	7.85	8.74	7.83	8.70	9.38
NOBS	34.00	33.00	24.00	15.00	15.00	9.00	5.00	5.00
SD	1.81	1.10	1.03	1.02	1.10	1.75	0.61	1.20
CV	33.82	21.43	15.54	13.00	12.59	22.29	7.04	12.78

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 25, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	5.5	12.9	15.5	15.8	15.2	12.8	0.0	0.0
12	3.2	5.2	9.9	0.0	0.0	0.0	0.0	0.0
13	2.5	5.4	9.4	8.5F	9.4F	0.0	0.0	0.0
14	1.5	4.0	13.9	0.0	0.0	0.0	0.0	0.0
15	2.7	3.3	10.8	10.6	17.1	10.3	0.0	0.0
16	3.0	5.1	13.5	0.0	0.0	0.0	0.0	0.0
17	3.4	8.5	15.5	18.4	18.3	12.0	10.7	4.4A
18	2.9	6.2	14.3	19.9	18.8	0.0	0.0	0.0
19	2.0	3.3	9.7	13.2	16.3	11.4	12.4	12.6
20	2.0	1.8	11.6	0.0	0.0	0.0	0.0	0.0
21	5.8S	12.2	7.3	16.2	13.6	0.0	0.0	0.0
22	3.0	3.9	7.3	16.1	15.3	0.0	0.0	0.0
23	3.0	0.4	15.2	13.6	10.2S	13.9	14.3	16.2
24	3.3	3.5	13.7	13.7	14.4	0.0	0.0	0.0
25	2.3	4.5	8.5	14.0	14.1	0.0	0.0	0.0
26	4.4	7.5	10.9	0.0	0.0	0.0	0.0	0.0
27	0.0	17.8F	21.2S	21.2	21.8S	11.3	14.6	13.4
28	2.2	4.3	12.8	15.8	15.6	0.0	0.0	0.0
29	6.3S	14.6S	16.7	19.4	19.8	12.4	17.2	16.3
30	2.0	11.0	15.5	0.0	0.0	0.0	0.0	0.0
31	5.0	1.4	13.6	14.6	15.8	14.8	0.0	0.0
32	2.3	4.6	17.5	0.0	0.0	0.0	0.0	0.0
33	1.9	5.8	11.1	15.8	17.8	0.0	0.0	0.0
34	2.7	9.6	10.6	0.0	0.0	0.0	0.0	0.0
35	31.9F	0.0	36.9F	10.8	10.4	12.2	0.0	0.0
36	2.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0
37	2.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0
38	2.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
39	4.5	14.6S	0.0	0.0	0.0	0.0	0.0	0.0
40	2.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0
41	4.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0
42	3.6	11.1	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0
45	3.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0
REMOVAL	NO	SKEW	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	2.90	5.60	12.80	15.80	15.80	12.20	14.30	13.40
MEAN	4.05	6.82	13.43	15.51	15.84	12.34	13.84	12.68
NOBS	33.00	33.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	5.13	4.11	6.04	3.20	3.13	1.37	2.45	4.65
CV	126.91	60.20	44.99	20.65	19.76	11.08	17.70	36.68

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.90	5.60	12.20	15.80	15.55	12.20	14.30	13.40
MEAN	3.17	6.48	12.45	15.94	16.24	12.34	13.84	12.68
NOBS	32.00	32.00	24.00	16.00	16.00	9.00	5.00	5.00
SD	1.18	3.66	3.62	2.73	2.74	1.37	2.45	4.65
CV	37.27	56.51	29.11	17.13	16.87	11.08	17.70	36.68

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.90	5.30	11.60	15.80	15.25	12.20	14.30	13.40
MEAN	2.98	5.94	12.07	15.94	16.28	12.34	13.84	12.68
NOBS	30.00	30.00	23.00	16.00	14.00	9.00	5.00	5.00
SD	0.94	3.08	3.18	2.73	1.87	1.37	2.45	4.65
CV	31.52	51.86	26.34	17.13	11.47	11.08	17.70	36.68

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 27, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	2.4	6.5	14.7	20.9	22.4	5.6F	0.0	0.0
12	2.5	5.6	10.7	0.0	0.0	0.0	0.0	0.0
13	2.5	5.5	6.0	13.7	17.0	0.0	0.0	0.0
14	3.0	5.8	12.4	0.0	0.0	0.0	0.0	0.0
15	1.8	2.4	4.7	8.3F	17.9	10.3	0.0	0.0
16	2.7	3.5	13.8	0.0	0.0	0.0	0.0	0.0
17	1.7	2.6	9.3	17.3	14.3	12.2	19.5	13.5
18	2.0	3.3	8.2	15.6	15.9	0.0	0.0	0.0
19	2.4	5.5	7.6	11.3	14.0	12.1	16.5	16.9
20	2.3	2.9	7.0	0.0	0.0	0.0	0.0	0.0
21	3.3	4.0	6.5	16.1	14.3	0.0	0.0	0.0
22	2.4	2.8	9.1	17.4	20.0	0.0	0.0	0.0
23	2.3	3.2	14.1	17.6	17.7	15.4	17.7	19.1
24	3.0	3.7	13.5	19.0	20.8	0.0	0.0	0.0
25	2.4	3.1	4.1	12.1	15.5	0.0	0.0	0.0
26	2.1	2.4	5.1	0.0	0.0	0.0	0.0	0.0
27	2.9	3.1	4.2	12.3	16.9	14.0	18.5	16.9
28	6.45	10.7F	17.2	16.5	20.4	0.0	0.0	0.0
29	3.4	5.3	5.7	14.9	18.5	10.2	17.0	18.4
30	1.4	2.5	3.6	0.0	0.0	0.0	0.0	0.0
31	3.2	3.6	14.8	15.3	17.0	11.1	0.0	0.0
32	3.8	8.15	17.5	0.0	0.0	0.0	0.0	0.0
33	2.7	4.4	16.6	17.0	14.5	0.0	0.0	0.0
34	13.4F	4.6	2.3	0.0	0.0	0.0	0.0	0.0
35	2.0	2.3	6.9	14.8	13.8	11.3	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	2.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
38	2.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0
39	2.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
40	2.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0
41	4.2	14.0F	0.0	0.0	0.0	0.0	0.0	0.0
42	1.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
43	2.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0
44	1.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
45	3.0	4.35	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	SKEW	SKEW	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	2.50	3.65	9.30	15.10	18.30	11.30	17.70	16.90
MEAN	2.99	4.64	9.74	15.36	18.08	11.35	17.86	16.96
MODS	14.00	34.00	25.00	17.00	17.00	5.00	5.00	5.00
SD	2.07	2.83	4.61	3.08	2.32	2.74	1.21	2.16
CV	69.22	56.65	47.34	20.07	12.41	24.17	6.77	12.73

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.50	3.60	9.30	15.85	18.30	11.20	17.70	16.90
MEAN	2.67	4.16	9.74	15.80	18.08	12.07	17.86	16.96
MODS	33.00	32.00	25.00	16.00	17.00	8.00	5.00	5.00
SD	0.95	1.77	4.61	2.57	2.32	1.81	1.21	2.16
CV	35.76	42.47	47.34	16.26	12.81	15.01	6.77	12.73

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.50	3.55	9.30	15.65	18.30	11.20	17.70	16.90
MEAN	2.54	3.86	9.74	15.80	18.08	12.07	17.86	16.96
MODS	32.00	30.00	25.00	16.00	17.00	8.00	5.00	5.00
SD	0.59	1.34	4.61	2.57	2.32	1.81	1.21	2.16
CV	23.17	34.77	47.34	16.26	12.81	15.01	6.77	12.73

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 28, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	31.0	34.1	34.4	36.8 A	34.6	0.0	0.0	0.0
19	34.2	6.5 A	35.0	72.9 A	32.1	34.4	27.5	27.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	18.3	21.5	22.8	24.9	25.4	0.0	0.0	0.0
23	20.5	23.5	25.1	27.8	35.0	32.4	38.0 A	28.8
24	29.8	35.4	33.0	27.4	38.2	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	21.2	20.5	22.0	25.1	26.1	24.5	19.4	22.4
28	13.9	18.3	18.9	17.8 A	22.0	0.0	0.0	0.0
29	19.0	18.4	18.2	59.1 A	22.6	24.8	0.0	22.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	20.90	21.00	23.95	27.60	29.25	28.60	27.60	24.95
STDEV	7.47	9.24	6.95	19.30	6.14	5.12	9.09	3.48
CV	32.18	41.46	26.57	52.92	20.71	17.54	31.87	13.82

FIRST ITERATION

MEAN	20.90	21.00	23.95	27.60	29.25	28.60	27.60	24.95
STDEV	7.47	9.24	6.95	19.30	6.14	5.12	9.09	3.48
CV	32.18	41.46	26.57	52.92	20.71	17.54	31.87	13.82

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MEAN	20.90	21.00	23.95	27.60	29.25	28.60	27.60	24.95
STDEV	7.47	9.24	6.95	19.30	6.14	5.12	9.09	3.48
CV	32.18	41.46	26.57	52.92	20.71	17.54	31.87	13.82

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MEAN	20.90	21.00	23.95	27.60	29.25	28.60	27.60	24.95
STDEV	7.47	9.24	6.95	19.30	6.14	5.12	9.09	3.48
CV	32.18	41.46	26.57	52.92	20.71	17.54	31.87	13.82

A ANOMALOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 29, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-3	3-4	4-5	0-15	15-30	30-45
11	27.0F	26.0F	25.6F	24.5F	22.8	0.0	0.0	0.0
12	2.9	4.6	11.6	0.0	0.0	0.0	0.0	0.0
13	3.6	8.2	16.0	18.6	18.8	0.0	0.0	0.0
14	5.8	8.6	17.8	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.9	14.0	16.6	0.0	0.0	0.0	0.0	0.0
17	5.5	4.1	16.6	17.6	18.7	14.1	15.1	11.9
18	13.6	14.6	16.8	19.4	20.8	0.0	0.0	0.0
19	3.0	4.6	16.6	17.2	20.0	10.7	16.2	15.9
20	4.5	12.2	18.8	0.0	0.0	0.0	0.0	0.0
21	3.6	4.6	8.0S	12.5	12.0F	0.0	0.0	0.0
22	16.5S	19.0	20.0	22.2	19.8	0.0	0.0	0.0
23	3.1	4.3	9.0	15.3	17.4	15.4	18.2	13.2
24	3.3	6.4	12.5	16.0	17.7	0.0	0.0	0.0
25	21.7F	22.0S	22.2	22.2	21.7	0.0	0.0	0.0
26	3.4	7.7	17.3	0.0	0.0	0.0	0.0	0.0
27	13.1	16.7	17.7	19.1	19.7	15.9	20.3	13.7
28	5.4	9.0	13.0	14.2	13.8S	0.0	0.0	0.0
29	7.1	10.4	16.5	16.5	16.9	11.8	17.7	12.6
30	15.3S	17.8	19.8	0.0	0.0	0.0	0.0	0.0
31	4.1	7.0	14.1	15.3	16.6	18.0	0.0	0.0
32	5.0	10.6	12.7	0.0	0.0	0.0	0.0	0.0
33	3.7	10.4	11.5	16.7	16.6	0.0	0.0	0.0
34	4.0	14.0	14.5	0.0	0.0	0.0	0.0	0.0
35	15.9S	18.2	18.4	18.9	19.5	23.8A	0.0	0.0
36	4.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0
37	3.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0
38	3.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
39	3.9	15.2	0.0	0.0	0.0	0.0	0.0	0.0
40	3.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0
41	2.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0
42	14.6	16.5	0.0	0.0	0.0	0.0	0.0	0.0
43	2.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0
44	4.5	7.4	0.0	0.0	0.0	0.0	0.0	0.0
45	4.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	SKEW	NO	NO	NO	NO	NO

FIRST ITERATION								
MODE	4.45	9.70	16.60	17.40	18.75	15.40	17.70	13.20
MEAN	7.21	10.78	15.98	17.89	18.30	15.67	17.50	13.46
NOBS	34.00	34.00	24.00	16.00	16.00	7.00	5.00	5.00
SD	6.14	5.63	4.04	3.16	2.78	4.35	1.99	1.52
CV	85.18	52.24	25.26	17.66	15.19	27.79	11.36	11.30

* OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	4.25	9.00	16.60	17.20	18.70	15.40	17.70	13.20
MEAN	6.13	10.32	15.57	17.45	18.72	15.67	17.50	13.46
NOBS	32.00	33.00	23.00	15.00	15.00	7.00	5.00	5.00
SD	4.42	5.02	3.56	2.71	2.29	4.35	1.99	1.52
CV	71.99	48.69	22.86	15.55	12.24	27.79	11.36	11.30

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	4.00	8.80	16.55	17.20	18.20	15.40	17.70	13.20
MEAN	5.12	9.95	15.91	17.45	19.07	15.67	17.50	13.46
NOBS	29.00	32.00	22.00	15.00	14.00	7.00	5.00	5.00
SD	3.21	4.64	3.23	2.71	1.91	4.35	1.99	1.52
CV	62.60	46.60	20.29	15.55	10.03	27.79	11.36	11.30

A ANOMALOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 30, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.8	7.3	15.4	18.0	19.2	12.4	0.0	0.0
12	5.8	7.0	9.7	0.0	0.0	0.0	0.0	0.0
13	17.1F	7.4	19.1	16.2	17.9	0.0	0.0	0.0
14	5.2	11.1S	17.1	0.0	0.0	0.0	0.0	0.0
15	15.7F	17.4F	20.4	20.3	21.5	18.1	0.0	0.0
16	2.3	5.6	8.5	0.0	0.0	0.0	0.0	0.0
17	4.1	5.4	0.0	8.0	6.3	6.7	6.3A	0.0
18	3.9	5.5	6.7	11.0	9.4	0.0	0.0	0.0
19	4.3	7.2	7.8	16.2	11.7	0.0	13.9	5.7
20	4.0	6.1	9.7	0.0	0.0	0.0	0.0	0.0
21	0.0	5.1	7.7	6.5	12.4	0.0	0.0	0.0
22	1.5S	7.1	10.4	12.8	14.4	0.0	0.0	0.0
23	3.9	3.4	5.7	10.4	13.7	6.2	19.1	5.2
24	4.0	10.4S	19.1	22.0	22.2	0.0	0.0	0.0
25	3.8	0.0	4.4	4.8	0.0	0.0	0.0	0.0
26	3.5	5.2	14.7	0.0	0.0	0.0	0.0	0.0
27	6.4	9.8	11.5	13.6	14.9	13.3	17.6	15.2
28	5.1	6.8	11.1	12.8	16.3	0.0	0.0	0.0
29	4.9	6.9	7.8	9.3	17.2	14.2	17.0	15.2
30	3.4	7.4	6.0	0.0	0.0	0.0	0.0	0.0
31	16.3F	16.6F	17.4	18.6	20.4	19.8	0.0	0.0
32	4.3	4.8	6.4	0.0	0.0	0.0	0.0	0.0
33	5.6	6.7	8.8	11.1	10.5	0.0	0.0	0.0
34	6.0	6.7	6.0	0.0	0.0	0.0	0.0	0.0
35	3.8	5.4	6.7	8.7	8.9	8.9	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKW	SKW	SKW	NO	NO	NO	NO	YES

FIRST ITERATION

MODE	4.20	6.85	9.25	12.80	14.65	12.85	17.00	10.95
MEAN	5.80	7.59	10.75	12.99	14.81	12.45	14.78	10.57
NOBS	24.00	24.00	24.00	17.00	16.00	8.00	5.00	4.00
SD	4.22	3.38	4.91	4.94	4.76	4.99	5.10	5.38
CV	72.77	44.54	45.70	38.02	32.13	40.10	34.54	50.83

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.00	6.75	9.25	12.80	14.65	12.85	17.00	10.95
MEAN	4.29	6.73	10.75	12.99	14.81	12.45	14.78	10.57
NOBS	21.00	22.00	24.00	17.00	16.00	8.00	5.00	4.00
SD	1.14	1.81	4.91	4.94	4.76	4.99	5.10	5.38
CV	26.51	26.93	45.70	38.02	32.13	40.10	34.54	50.83

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.00	6.70	9.25	12.80	14.65	12.85	17.00	10.95
MEAN	4.43	6.33	10.75	12.99	14.81	12.45	14.78	10.57
NOBS	20.00	20.00	24.00	17.00	16.00	8.00	5.00	4.00
SD	0.97	1.32	4.91	4.94	4.76	4.99	5.10	5.38
CV	21.74	20.90	45.70	38.02	32.13	40.10	34.54	50.83

A ANOMOLOUS POINT (SUBJECTIVE)

ORIGINAL PAGE IS
OF POOR QUALITY

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 37, CROP - IRRIGATED CORN

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.8	8.6	10.3	14.2	16.1	15.7	0.0	0.0
12	5.4	11.1	17.6	0.0	0.0	0.0	0.0	0.0
13	5.9	8.6	15.7	17.5	18.7	0.0	0.0	0.0
14	4.9	8.9	14.8	0.0	0.0	0.0	0.0	0.0
15	4.7	8.1	13.9	14.3	15.6	14.3	0.0	0.0
16	4.0	7.5	12.0	0.0	0.0	0.0	0.0	0.0
17	6.1	14.4	19.6	19.2	20.4	16.9	16.6	17.8
18	7.1	14.4	19.3	19.8	20.1	0.0	0.0	0.0
19	32.4F	33.0S	33.8F	33.4F	31.4F	33.0F	32.5A	29.9A
20	8.3	19.9	24.2S	0.0	0.0	0.0	0.0	0.0
21	6.0	12.7	15.7	16.5	16.5	0.0	0.0	0.0
22	4.3	5.7	17.0	18.2	18.1	0.0	0.0	0.0
23	9.1	21.2	23.6	23.5	25.9	19.1	21.5	23.6
24	5.5	15.5	19.0	17.9	18.4	0.0	0.0	0.0
25	6.1	19.0	21.1	28.1S	27.5S	0.0	0.0	0.0
26	10.5	11.7	11.7	0.0	0.0	0.0	0.0	0.0
27	7.1	9.1	16.4	19.3	20.5	19.4	12.1	12.3
28	8.3	14.8	16.0	17.1	17.7	0.0	0.0	0.0
29	10.3	12.4	14.8	15.9	15.2	12.3	15.2	17.1
30	18.0S	59.4F	16.0	0.0	0.0	0.0	0.0	0.0
31	8.8	11.5	8.1	13.9	14.3	15.5	0.0	0.0
32	5.4	9.1	13.6	0.0	0.0	0.0	0.0	0.0
33	10.5	12.6	4.1	15.9	21.3	0.0	0.0	0.0
34	8.1	6.7	15.4	0.0	0.0	0.0	0.0	0.0
35	9.9	14.2	12.0	14.5	13.0	11.5	0.0	0.0
36	8.5	15.8	0.0	0.0	0.0	0.0	0.0	0.0
37	6.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0
38	4.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0
39	7.2	11.3	0.0	0.0	0.0	0.0	0.0	0.0
40	10.7	16.5	0.0	0.0	0.0	0.0	0.0	0.0
41	10.5	21.2	0.0	0.0	0.0	0.0	0.0	0.0
42	6.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0
43	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0
44	5.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0
45	6.6	9.1	0.0	0.0	0.0	0.0	0.0	0.0
GLOBAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	6.60	11.50	15.70	17.50	18.40	15.70	16.60	17.80
MEAN	8.05	13.70	16.39	18.78	19.46	17.56	19.58	20.14
NOBS	35.00	34.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	5.07	9.75	5.49	5.22	4.89	6.36	7.98	6.77
CV	62.96	71.20	33.47	27.79	25.14	36.24	40.75	33.62

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	6.45	11.40	15.70	17.30	18.25	15.60	16.60	17.80
MEAN	7.33	12.36	15.66	17.87	18.71	15.62	19.58	20.14
NOBS	34.00	34.00	24.00	16.00	16.00	8.00	5.00	5.00
SD	2.82	5.73	4.20	3.73	3.93	2.81	7.98	6.77
CV	38.44	46.41	26.83	20.88	20.98	18.01	40.75	33.62

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	6.30	11.30	15.70	17.10	18.10	15.60	16.60	17.80
MEAN	7.01	11.73	15.29	17.19	18.13	15.62	19.58	20.14
NOBS	33.00	33.00	23.00	15.00	15.00	8.00	5.00	5.00
SD	2.13	4.49	3.87	2.63	3.26	2.81	7.98	6.77
CV	30.34	38.30	25.34	15.33	17.99	18.01	40.75	33.62

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 38, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	DEPTH INTERVAL, CM.	0-15	15-30	30-45
11	1-1	3.7	10.1	16.0
12	1-5	4.1	11.1	16.5
13	10-15F	14.8F	20.4F	22.1
14	3-8	5.9	10.2	10.4
15	2-1	3.4	5.6	10.0
16	3-5	4.4	6.4	10.0
17	3-9	5.1	10.6	16.0
18	3-6	18.5F	22.7F	23.5
19	3-5	4.8	11.6	16.7
20	1-2.5	3.9	11.0	10.0
21	3-3	4.5	8.0	9.5
22	3-2	4.7	12.5	17.6
23	3-3	3.6	9.6	14.3
24	3-5	6.75	16.75	21.2
25	3-3	4.2	6.5	12.8
26	3-0	4.0	10.1	10.0
27	3-5	3.7	7.8	13.4
28	3-1	3.7	11.8	15.5
29	3-4	5.4	14.9	18.9
30	3-4	5.5	15.2	18.0
31	3-3	3.4	7.6	15.7
32	3-8	3.8	9.4	10.0
33	2-9	5.4	16.3	19.0
34	2-4	3.6	10.5	10.0
35	2-3	3.8	9.4	13.9
36	3-0	3.1	0.0	0.0
37	3-1	3.0	0.0	0.0
38	3-1	3.9	0.0	0.0
39	3-7	5.4	0.0	0.0
40	3-2	3.5	0.0	0.0
41	2-7	3.3	0.0	0.0
42	2-5	3.9	0.0	0.0
43	3-1	3.5	0.0	0.0
44	3-7	4.8	0.0	0.0
45	2-8	0.0	0.0	0.0
BIMODAL	NO	SKEW	SKEW	NO

FIRST ITERATION							
MODE	3.10	3.90	10.10	16.00	20.90	13.80	17.60
MEAN	3.23	4.99	11.16	16.28	19.43	11.96	16.74
NOBS	35.00	35.00	25.00	17.00	17.00	8.00	5.00
SD	1.37	3.52	4.55	3.88	4.36	6.33	3.44
CV	42.47	70.63	40.89	23.81	22.42	52.94	20.55

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION							
MODE	3.10	3.90	9.90	16.00	20.90	13.80	17.60
MEAN	3.02	4.16	10.20	16.28	19.43	11.96	16.74
NOBS	34.00	33.00	23.00	17.00	17.00	8.00	5.00
SD	0.54	0.90	3.45	3.88	4.36	6.33	3.44
CV	18.04	21.74	33.60	23.81	22.42	52.94	20.55

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL							
MODE	3.10	3.05	9.75	16.00	20.90	13.80	17.60
MEAN	3.05	4.08	9.87	16.28	19.43	11.96	16.74
NOBS	33.00	32.00	22.00	17.00	17.00	8.00	5.00
SD	0.52	0.79	2.99	3.88	4.36	6.33	3.44
CV	16.87	19.45	30.30	23.81	22.42	52.94	20.55

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 39, CROP - MILO

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	5.0	7.2	14.5	15.5	16.2	10.2	0.0	0.0
12	3.8	10.9	17.1	0.0	0.0	0.0	0.0	0.0
13	3.3	12.3	13.6	15.9	16.8	0.0	0.0	0.0
14	4.9	8.0	8.7	0.0	0.0	0.0	0.0	0.0
15	5.3	11.2	12.1	18.3	20.6	21.8	0.0	0.0
16	5.8	6.7	13.7	0.0	0.0	0.0	0.0	0.0
17	4.2	5.3	18.3	13.3	14.2	13.5	8.8	12.4
18	5.7	10.7	15.9	16.4	17.1	0.0	0.0	0.0
19	5.3	7.7	10.7	13.2	15.0	20.4	21.8	23.0
20	5.6	11.3	15.8	0.0	0.0	0.0	0.0	0.0
21	3.4	7.2	13.0	15.5	17.3	0.0	0.0	0.0
22	4.9	14.7	19.1	19.4	20.8	0.0	0.0	0.0
23	5.3	8.4	9.3	13.8	15.5	17.2	17.9	18.6
24	10.8	17.0	16.3	13.5	20.8	0.0	0.0	0.0
25	5.7	15.5	17.8	18.7	0.0	0.0	0.0	0.0
26	4.6	8.3	14.7	0.0	0.0	0.0	0.0	0.0
27	10.4	16.3	0.0	20.5	20.7	6.0	10.4	11.4
28	5.0	6.3	14.7	20.1	19.4	0.0	0.0	0.0
29	5.2	8.7	9.3	14.3	19.0	21.5	19.7	22.7
30	5.6	18.1	14.6	0.0	0.0	0.0	0.0	0.0
31	0.0	11.7	10.7	18.6	15.4	11.0	0.0	0.0
32	5.1	6.6	16.0	0.0	0.0	0.0	0.0	0.0
33	4.4	5.1	13.5	16.6	17.5	0.0	0.0	0.0
34	5.8	3.0	8.3	0.0	0.0	0.0	0.0	0.0
35	5.2	5.1	16.2	17.1	14.3	11.4	0.0	0.0
36	5.5	12.3	0.0	0.0	0.0	0.0	0.0	0.0
37	5.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
38	15.45	15.9	0.0	0.0	0.0	0.0	0.0	0.0
39	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	5.1	11.5	0.0	0.0	0.0	0.0	0.0	0.0
42	17.55	6.0	0.0	0.0	0.0	0.0	0.0	0.0
43	14.25	16.2	0.0	0.0	0.0	0.0	0.0	0.0
44	4.5	17.4	0.0	0.0	0.0	0.0	0.0	0.0
45	41.84	5.5	0.0	0.0	0.0	0.0	0.0	0.0
BI-MODAL	SKEW	NO	NO	NO	NO	NO	SKEW	SKEW

FIRST ITERATION								
MODE	5.60	9.10	14.60	16.60	17.45	13.60	17.90	18.60
MEAN	8.01	10.47	14.12	16.81	17.89	14.90	15.72	17.62
NOBS	34.00	33.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	6.44	3.99	3.54	2.35	2.29	5.70	5.78	5.51
CV	56.56	38.12	25.10	13.98	12.78	38.24	36.78	31.30

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	5.60	9.10	14.60	16.60	17.45	13.60	17.90	18.60
MEAN	6.99	10.47	14.12	16.81	17.89	14.90	15.72	17.62
NOBS	33.00	33.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	3.58	3.99	3.54	2.35	2.29	5.70	5.78	5.51
CV	51.24	38.12	25.10	13.98	12.78	38.24	36.78	31.30

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	5.30	9.10	14.60	16.60	17.45	13.60	17.90	18.60
MEAN	6.05	10.47	14.12	16.81	17.89	14.90	15.72	17.62
NOBS	30.00	33.00	24.00	17.00	16.00	9.00	5.00	5.00
SD	1.91	3.99	3.54	2.35	2.29	5.70	5.78	5.51
CV	31.49	38.12	25.10	13.98	12.78	38.24	36.78	31.30

A ANOMOLOUS POINT (SUBJECTIVE)

C-4

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 43, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	15.45	18.4	18.8	19.3	20.0	14.4	0.0	0.0
12	9.7	16.7	19.2	0.0	0.0	0.0	0.0	0.0
13	5.0	7.7	15.5	15.8	16.3	0.0	0.0	0.0
14	14.75	20.6	20.9	0.0	0.0	0.0	0.0	0.0
15	5.4	9.5	13.4	21.8	23.6	23.0	0.0	0.0
16	9.9	17.3	20.6	0.0	0.0	0.0	0.0	0.0
17	5.4	22.4	19.9	21.4	23.5	22.7	22.2	21.7
18	11.8	21.2	23.3	25.3	26.3	0.0	0.0	0.0
19	10.7	17.8	19.6	22.4	23.6	19.4	22.1	23.9
20	7.5	19.3	20.0	0.0	0.0	0.0	0.0	0.0
21	6.6	12.6	16.8	16.8	18.6	0.0	0.0	0.0
22	4.8	11.0	13.9	15.4	15.9	0.0	0.0	0.0
23	4.5	6.9	14.2	16.9	21.4	9.8	20.1	17.9
24	6.7	14.0	19.2	19.5	19.9	0.0	0.0	0.0
25	3.6	4.3	8.2F	14.2	18.7	0.0	0.0	0.0
26	9.5	13.0	0.0	0.0	0.0	0.0	0.0	0.0
27	4.9	7.4	16.0	16.7	21.1	12.4	17.7	14.4
28	5.4	6.6	14.3	17.1	18.6	0.0	0.0	0.0
29	10.1	18.6	20.7	21.8	23.0	13.2	5.1A	19.4
30	4.0	8.8	15.7	0.0	0.0	0.0	0.0	0.0
31	3.5	7.9	11.5	16.4	19.6	9.7	0.0	0.0
32	3.8	10.2	16.5	0.0	0.0	0.0	0.0	0.0
33	6.7	15.3	21.7	23.3	23.8	0.0	0.0	0.0
34	4.5	11.1	18.6	0.0	0.0	0.0	0.0	0.0
35	4.8	7.0	11.1	14.4	17.8	8.7	0.0	0.0
36	8.4	17.9	0.0	0.0	0.0	0.0	0.0	0.0
37	11.5	19.0	0.0	0.0	0.0	0.0	0.0	0.0
38	21.2F	11.9	0.0	0.0	0.0	0.0	0.0	0.0
39	5.6	15.2	0.0	0.0	0.0	0.0	0.0	0.0
40	4.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0
41	5.7	10.2	0.0	0.0	0.0	0.0	0.0	0.0
42	4.7	12.0	0.0	0.0	0.0	0.0	0.0	0.0
43	9.7	19.9	0.0	0.0	0.0	0.0	0.0	0.0
44	16.7F	6.2	0.0	0.0	0.0	0.0	0.0	0.0
45	4.1	12.2	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	SKEW	NO	NO	NO	SKEW	SKEW	NO

FIRST ITERATION:

MODE	5.60	12.20	17.70	17.10	20.00	13.20	20.10	19.40
MEAN	7.66	13.04	17.07	18.74	20.69	14.81	17.44	19.46
NOBS	35.00	35.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	4.25	5.19	3.77	3.38	2.93	5.56	7.14	3.63
CV	55.32	39.82	22.06	18.03	14.17	37.55	40.93	18.67

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	5.50	12.20	16.80	17.10	20.00	13.20	20.10	19.40
MEAN	6.94	13.04	17.45	18.74	20.69	14.81	17.44	19.46
NOBS	33.00	35.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	3.23	5.19	3.33	3.38	2.93	5.56	7.14	3.63
CV	46.16	39.82	19.09	18.03	14.17	37.55	40.93	18.67

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	5.40	12.20	16.80	17.10	20.00	13.20	20.10	19.40
MEAN	6.47	13.04	17.45	18.74	20.69	14.81	17.44	19.46
NOBS	31.00	35.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	2.55	5.19	3.33	3.38	2.93	5.56	7.14	3.63
CV	39.39	39.82	19.09	18.03	14.17	37.55	40.93	18.67

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT. . .
JULIAN DAY 223, FIELD NUMBER 45, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.5	5.1	11.0	18.6	21.4	9.5	0.0	0.0
12	26.1F	17.6F	12.1	0.0	0.0	0.0	0.0	0.0
13	6.7S	7.6	11.7	0.0	21.3	0.0	0.0	0.0
14	5.7S	6.2	13.7	0.0	0.0	0.0	0.0	0.0
15	3.6	5.4	9.2	12.3	21.4	18.3	0.0	0.0
16	3.1	11.4S	17.0	0.0	0.0	0.0	0.0	0.0
17	4.1	2.9	13.4	16.9	21.0	15.6	21.9	19.5
18	4.8	6.4	12.5	17.0	21.4	0.0	0.0	0.0
19	3.3	3.8	5.9	13.1	16.6	21.7	21.5	20.3
20	3.6	3.6	17.6	0.0	0.0	0.0	0.0	0.0
21	2.0	0.6	12.7	22.9	22.3	0.0	0.0	0.0
22	3.4	1.3	13.1	19.9	14.7S	0.0	0.0	0.0
23	4.1	8.6	14.3	19.6	19.5	17.4	19.7	19.0
24	3.3	4.3	8.9	11.1	21.3	0.0	0.0	0.0
25	4.1	5.3	10.0	15.2	21.0	0.0	0.0	0.0
26	3.1	3.9	8.0	0.0	0.0	0.0	0.0	0.0
27	3.2	8.3	20.6	0.0	23.7	1.8	24.2	21.9
28	3.7	5.9	15.5	24.4	23.4	0.0	0.0	0.0
29	3.6	5.2	14.8	17.8	22.4	14.6	21.9	14.6A
30	2.5	3.2	7.5	0.0	0.0	0.0	0.0	0.0
31	3.4	3.2	6.8	12.1	10.9F	6.3	0.0	0.0
32	3.1	5.0	19.6	0.0	0.0	0.0	0.0	0.0
33	2.9	4.3	17.5	17.7	19.1	0.0	0.0	0.0
34	0.0	4.4	11.1	0.0	0.0	0.0	0.0	0.0
35	1.5	4.4	16.4	25.2	24.9	20.8	0.0	0.0
36	2.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0
37	2.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
38	2.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
39	2.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
40	2.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0
41	2.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0
42	2.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0
43	2.1	5.9	0.0	0.0	0.0	0.0	0.0	0.0
44	3.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0
45	4.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	NO	SKEW	SKEW	NO	NO

FIRST ITERATION

MODE	3.30	4.90	12.70	17.80	21.30	15.60	21.90	19.50
MEAN	4.05	5.39	12.84	17.79	20.37	14.00	21.84	19.06
NOBS	34.00	35.00	25.00	15.00	17.00	9.00	5.00	5.00
SD	4.02	3.23	3.96	4.34	3.47	6.77	1.60	2.72
CV	49.24	54.83	30.85	24.41	17.04	48.37	7.34	14.29

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.30	4.65	12.70	17.80	21.30	15.60	21.90	19.50
MEAN	3.38	5.03	12.84	17.79	20.96	14.00	21.84	19.06
NOBS	33.00	34.00	25.00	15.00	16.00	9.00	5.00	5.00
SD	1.02	2.46	3.96	4.34	2.55	6.77	1.60	2.72
CV	30.03	48.96	30.85	24.41	12.16	48.37	7.34	14.29

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.30	4.40	12.70	17.80	21.30	15.60	21.90	19.50
MEAN	3.20	4.84	12.84	17.79	21.38	14.00	21.84	19.06
NOBS	31.00	33.00	25.00	15.00	15.00	9.00	5.00	5.00
SD	0.72	2.23	3.96	4.34	1.99	6.77	1.60	2.72
CV	22.58	45.99	30.85	24.41	9.33	48.37	7.34	14.29

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 46, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	5.1	7.3	10.8	12.9	14.5	10.8	0.0	0.0
12	7.7F	12.0F	15.0S	0.0	0.0	0.0	0.0	0.0
13	2.9	5.4	8.3	10.0	12.5	0.0	0.0	0.0
14	2.5	5.1	8.1	0.0	0.0	0.0	0.0	0.0
15	2.7	4.4	5.6	6.9	7.5	9.8	0.0	0.0
16	4.2	5.3	4.4	0.0	0.0	0.0	0.0	0.0
17	4.2	8.1	9.8	15.6	14.6	16.0	15.9	14.3
18	5.0S	8.6S	12.1	12.6	13.9	0.0	0.0	0.0
19	3.3	4.5	6.4	8.3	9.6	11.2	7.4	10.8
20	3.2	4.2	4.4	0.0	0.0	0.0	0.0	0.0
21	5.2	9.4F	11.4	13.7	15.3	0.0	0.0	0.0
22	5.0S	8.1	12.4	15.1	17.0	0.0	0.0	0.0
23	3.1	4.3	5.4	11.8	11.6	9.7	13.3	8.6
24	0.0	4.7	5.7	7.2	9.4	0.0	0.0	0.0
25	3.1	3.1	4.9	7.1	18.5	0.0	0.0	0.0
26	3.1	5.2	6.4	0.0	0.0	0.0	0.0	0.0
27	4.0	5.0	11.9	14.3	14.9	13.7	12.6	14.1
28	1.7	2.6	6.9	8.6	11.0	0.0	0.0	0.0
29	1.4	4.2	5.4	7.1	7.5	7.4	4.0	12.1
30	0.0	1.9	2.0	0.0	0.0	0.0	0.0	0.0
31	3.8	5.7	9.8	13.1	12.6	8.6	0.0	0.0
32	1.0	3.3	5.3	0.0	0.0	0.0	0.0	0.0
33	0.3	0.9	3.0	6.5	6.1	0.0	0.0	0.0
34	0.7	1.0	23.7F	0.0	0.0	0.0	0.0	0.0
35	2.5	4.4	7.2	9.1	9.4	5.5	0.0	0.0
36	2.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
37	2.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0
42	0.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0
43	1.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0
44	1.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
45	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	NO	NO	NO	NO	NO	NO

FIRST ITERATION

MODE	2.50	4.20	6.90	10.00	12.50	9.80	12.60	12.10
MEAN	2.78	4.47	8.42	10.64	12.11	10.30	10.64	11.98
NOBS	33.00	33.00	25.00	17.00	17.00	9.00	5.00	5.00
SD	1.78	2.59	4.83	3.30	3.53	3.16	4.83	2.38
CV	64.06	57.91	57.35	30.99	29.14	30.71	45.36	19.89

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	2.50	4.20	6.65	10.00	12.50	9.80	12.60	12.10
MEAN	2.63	4.08	7.70	10.64	12.11	10.30	10.64	11.98
NOBS	32.00	33.00	24.00	17.00	17.00	9.00	5.00	5.00
SD	1.58	2.06	3.29	3.30	3.53	3.16	4.83	2.38
CV	59.87	50.66	42.70	30.99	29.14	30.71	45.36	19.89

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.35	4.20	6.80	10.00	12.50	9.80	12.60	12.10
MEAN	2.41	3.93	7.38	10.64	12.11	10.30	10.64	11.98
NOBS	30.00	32.00	23.00	17.00	17.00	9.00	5.00	5.00
SD	1.35	1.93	2.96	3.30	3.53	3.16	4.83	2.38
CV	56.02	49.02	40.12	30.99	29.14	30.71	45.36	19.89

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 47, CROP - WHEAT STUBBLE

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.3	8.2	9.6	8.9	8.8	7.8A	0.0	0.0
12	3.6	6.4	5.8	0.0	0.0	0.0	0.0	0.0
13	4.2	6.1	7.8	6.9	8.1	0.0	0.0	0.0
14	5.5	15.8S	15.6	0.0	0.0	0.0	0.0	0.0
15	4.5	4.6	6.8	11.5	11.0	10.4	0.0	0.0
16	5.1	7.0	9.1	0.0	0.0	0.0	0.0	0.0
17	4.2	5.1	6.4	7.1	8.3	89.7F	8.1	6.1
18	4.1	5.2	6.1	7.0	6.3	0.0	0.0	0.0
19	5.1	10.3	15.2	14.2	13.4	13.6	12.3	12.7
20	5.2	10.3	16.7	0.0	0.0	0.0	0.0	0.0
21	4.5	6.5	11.6	15.5	16.6	0.0	0.0	0.0
22	5.6	8.9	12.2	13.9	15.7	0.0	0.0	0.0
23	5.7	9.4	11.5	0.0	10.3	10.9	9.8	6.5
24	4.0	4.5	6.3	7.6	9.3	0.0	0.0	0.0
25	5.0	11.1	14.1	15.6	14.7	0.0	0.0	0.0
26	5.3	10.4	14.6	0.0	0.0	0.0	0.0	0.0
27	5.3F	10.2	13.9	16.5	15.3	14.0	13.5	11.4
28	12.1F	19.0F	21.1F	0.0	19.5	0.0	0.0	0.0
29	5.5	6.2	11.4	13.4	15.1	12.2	13.4	9.6
30	4.8	9.2	11.8	0.0	0.0	0.0	0.0	0.0
31	4.6	13.5	16.2	16.4	17.4	14.1	0.0	0.0
32	4.2	5.7	14.3	0.0	0.0	0.0	0.0	0.0
33	4.5	10.9	15.2	18.0	17.1	0.0	0.0	0.0
34	4.8	6.1	7.5	0.0	0.0	0.0	0.0	0.0
35	5.4	12.4	14.0	15.0	17.9	16.0	0.0	0.0
36	3.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0
37	3.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0
38	3.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0
39	5.2F	7.8	0.0	0.0	0.0	0.0	0.0	0.0
40	5.1F	15.5S	0.0	0.0	0.0	0.0	0.0	0.0
41	5.3	12.3	0.0	0.0	0.0	0.0	0.0	0.0
42	4.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0
43	5.1S	12.8	0.0	0.0	0.0	0.0	0.0	0.0
44	3.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0
45	4.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	NO	NO	NO	SKEW	SKEW	SKEW	SKEW	SKEW

FIRST ITERATION

MODE	4.80	8.20	11.80	13.90	14.70	13.60	12.30	9.50
MEAN	5.02	9.00	11.75	12.50	13.22	20.97	11.42	9.36
NOBS	35.00	35.00	25.00	15.00	17.00	9.00	5.00	5.00
SD	1.58	3.46	4.12	3.97	4.09	25.89	2.38	3.02
CV	31.45	38.46	35.07	31.76	30.96	123.48	20.85	32.26

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	4.60	8.00	11.70	13.90	14.70	12.90	12.30	9.60
MEAN	4.68	8.70	11.36	12.50	13.22	12.37	11.42	9.36
NOBS	33.00	34.00	24.00	15.00	17.00	8.00	5.00	5.00
SD	0.67	3.04	3.71	3.97	4.09	2.60	2.38	3.02
CV	14.22	34.88	32.66	31.76	30.96	21.00	20.85	32.26

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	4.60	7.80	11.70	13.90	14.70	12.90	12.30	9.60
MEAN	4.64	8.27	11.36	12.50	13.22	12.37	11.42	9.36
NOBS	32.00	32.00	24.00	15.00	17.00	8.00	5.00	5.00
SD	0.63	2.55	3.71	3.97	4.09	2.60	2.38	3.02
CV	13.48	30.83	32.66	31.76	30.96	21.00	20.85	32.26

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 49, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	4.7	5.9	13.8	14.5	15.0	23.5	0.0	0.0
12	5.8	7.6	16.7	0.0	0.0	0.0	0.0	0.0
13	7.0	8.7	20.6	16.2	18.8	0.0	0.0	0.0
14	6.8	12.7F	17.5	0.0	0.0	0.0	0.0	0.0
15	3.6	4.8	11.7	12.2	23.4	20.6	0.0	0.0
16	3.7	6.0	12.1	0.0	0.0	0.0	0.0	0.0
17	3.5	4.8	3.45	10.2	12.8S	3.0	20.6	24.2A
18	10.0F	13.6F	5.4	4.4F	16.2	0.0	0.0	0.0
19	4.1	7.9	10.4	7.95	11.1F	9.3	8.4A	16.0
20	4.2	4.8	7.4	0.0	0.0	0.0	0.0	0.0
21	5.4	8.7	12.9	14.9	14.6	0.0	0.0	0.0
22	4.0	5.0	13.2	20.4	23.0	0.0	0.0	0.0
23	3.3	5.1	12.2	18.4	25.1	8.1	14.5	16.7
24	5.0	10.55	1.2F	17.5	19.7	0.0	0.0	0.0
25	3.15	6.4	16.3	21.4	0.0	0.0	0.0	0.0
26	4.9	6.5	17.0	0.0	0.0	0.0	0.0	0.0
27	3.6	6.1	13.7	16.5	17.8	18.8	18.9	15.7
28	4.0	5.5	10.3	20.2	22.3	0.0	0.0	0.0
29	3.4	5.0	12.3	17.7	20.3	14.9	19.3	14.1
30	12.5F	8.0	18.6	0.0	0.0	0.0	0.0	0.0
31	3.9	7.3	11.5	24.9	23.9	17.6	0.0	0.0
32	4.2	5.6	9.4	0.0	0.0	0.0	0.0	0.0
33	5.2	10.55	23.25	24.2	23.1	0.0	0.0	0.0
34	4.1	6.2	14.1	0.0	0.0	0.0	0.0	0.0
35	3.5	7.3	18.7	20.2	23.0	22.8	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	NO	NO	NO	NO	SKEW

FIRST ITERATION								
MODE	4.20	6.50	12.00	17.50	20.00	17.60	18.90	16.00
MEAN	5.18	7.28	12.94	16.57	19.69	15.40	16.34	17.34
NOBS	23.00	23.00	23.00	17.00	16.00	9.00	5.00	5.00
SD	2.30	2.43	5.17	5.52	4.17	7.14	5.00	3.95
CV	44.43	33.35	39.90	33.32	21.19	46.39	30.58	22.79

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	4.10	6.40	12.60	17.00	19.70	17.60	18.90	16.00
MEAN	4.65	6.77	13.43	17.33	20.27	15.40	16.34	17.34
NOBS	23.00	23.00	24.00	16.00	15.00	9.00	5.00	5.00
SD	1.41	1.74	4.66	4.69	3.61	7.14	5.00	3.95
CV	30.36	25.65	34.66	27.07	17.82	46.39	30.58	22.79

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	4.10	6.20	12.25	16.50	19.65	17.60	18.90	16.00
MEAN	4.45	6.42	13.45	17.96	20.80	15.40	16.34	17.34
NOBS	22.00	21.00	22.00	15.00	14.00	9.00	5.00	5.00
SD	1.05	1.34	3.80	4.10	3.07	7.14	5.00	3.95
CV	23.62	20.90	28.23	22.83	14.78	46.39	30.58	22.79

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 50, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	3.0	3.9	0.0	13.4	17.0	10.5	0.0	0.0
12	3.8	9.6	11.2	0.0	0.0	0.0	0.0	0.0
13	2.9	4.8	6.8	17.1	20.6	0.0	0.0	0.0
14	2.9	3.7	10.7	0.0	0.0	0.0	0.0	0.0
15	3.1	4.4	8.7	18.1	20.6	19.4	0.0	0.0
16	2.5	2.9	6.1	0.0	0.0	0.0	0.0	0.0
17	2.5	3.7	4.8	6.2	2.4F	7.3	11.3	8.1A
18	1.0	4.0	3.9	5.8	12.2F	0.0	0.0	0.0
19	1.8	2.3	0.0	0.4F	1.0F	12.7	20.2	18.5
20	1.8	5.6	9.3	0.0	0.0	0.0	0.0	0.0
21	3.8	9.9	13.9	0.0	18.1	0.0	0.0	0.0
22	5.6	11.9	0.0	20.0	18.6	0.0	0.0	0.0
23	5.8F	14.1	1.9	21.3	22.9	17.3	14.9	13.4
24	4.0	11.5	16.7	18.0	21.0	0.0	0.0	0.0
25	3.5	8.7	16.3	19.5	25.5	0.0	0.0	0.0
26	5.7	9.3	19.7	0.0	0.0	0.0	0.0	0.0
27	4.8	7.9	14.7	16.1	18.0	15.4	20.0	17.1
28	3.7	6.0	12.5	15.1	16.7	0.0	0.0	0.0
29	4.4	8.8	12.8	18.8	20.0	20.0	21.8	20.4
30	4.6	9.5	18.0	0.0	0.0	0.0	0.0	0.0
31	1.7	8.4	10.1	13.6	11.0	18.3	0.0	0.0
32	4.7	9.0	14.1	0.0	0.0	0.0	0.0	0.0
33	4.1	70.4F	0.0	14.5	15.7	0.0	0.0	0.0
34	6.2	10.1	3.2	0.0	0.0	0.0	0.0	0.0
35	3.8	11.2	12.1	8.0	11.5	16.4	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	NO	NO	NO	SKEW	SKEW	SKEW	SKEW	NO

FIRST ITERATION								
MODE	3.80	8.70	11.65	15.60	18.00	16.40	20.00	17.10
MEAN	3.70	10.05	11.15	14.12	16.05	15.25	17.64	15.50
NOBS	25.00	25.00	22.00	16.00	17.00	9.00	5.00	5.00
SD	1.47	12.97	5.30	6.00	6.65	4.29	4.33	4.87
CV	39.64	123.92	47.49	42.50	41.44	28.09	24.89	31.40

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	3.75	8.55	11.65	15.10	17.00	16.40	20.00	17.10
MEAN	3.57	7.55	11.15	15.03	17.96	15.26	17.64	15.50
NOBS	24.00	24.00	22.00	15.00	15.00	9.00	5.00	5.00
SD	1.34	3.28	5.30	4.92	4.14	4.29	4.33	4.87
CV	37.70	43.50	47.49	32.75	23.05	28.09	24.89	31.40

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	3.75	8.55	11.65	15.10	17.00	16.40	20.00	17.10
MEAN	3.57	7.55	11.15	15.03	17.96	15.26	17.64	15.50
NOBS	24.00	24.00	22.00	15.00	15.00	9.00	5.00	5.00
SD	1.34	3.28	5.30	4.92	4.14	4.29	4.33	4.87
CV	37.70	43.50	47.49	32.75	23.05	28.09	24.89	31.40

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT
JULIAN DAY 223, FIELD NUMBER 52, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	2.8	1.0	4.7	15.3	18.2	16.5	19.4	15.1
18	4.6F	6.3	12.1	15.6	20.1	0.0	19.0	0.0
19	2.1	2.4	40.2F	9.9S	11.8F	11.3	15.9	19.5
20	3.1	3.7	6.2	0.0	0.0	0.0	0.0	0.0
21	3.8	3.9	0.0	16.2	20.0	0.0	0.0	0.0
22	3.4	7.3	5.5	19.0	20.7	0.0	0.0	0.0
23	2.3	5.8	13.0	16.9	19.3	15.0	19.2	18.9
24	3.0	3.0	18.4	0.2F	15.0S	0.0	0.0	0.0
25	3.5	5.4	6.8	16.7	17.3	0.0	0.0	0.0
26	3.5	4.4	17.9	0.0	0.0	0.0	0.0	0.0
27	1.9	10.5S	18.1	20.9	22.9	20.4	16.6	14.7
28	3.0	7.9	15.8	16.8	19.5	0.0	0.0	0.0
29	0.0	2.3	14.8	19.4	20.5	8.8A	17.5	20.2
30	0.0	2.7	14.4	0.0	0.0	0.0	0.0	0.0
31	2.8	10.5S	18.3	21.8	22.6	19.5	0.0	0.0
32	2.1	4.2	13.7	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	3.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0
35	3.7	11.7F	17.7	17.4	20.6	14.6	0.0	0.0
36	2.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0
37	2.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0
38	2.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0
39	2.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0
40	1.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0
41	2.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0
42	2.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
43	3.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0
44	2.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
45	3.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0
BIMODAL	SKEW	NO	NO	SKEW	SKEW	NO	SKEW	SKEW

FIRST ITERATION								
MODE	2.80	4.45	13.85	16.80	20.00	15.00	17.50	18.90
MEAN	2.72	5.05	14.17	15.85	19.12	15.16	17.72	17.68
NOBS	26.00	28.00	16.00	13.00	13.00	7.00	5.00	5.00
SU	0.72	2.75	8.72	5.55	3.02	4.16	1.55	2.58
CV	26.32	54.43	61.53	35.00	15.81	27.44	8.76	14.61

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION								
MODE	2.80	4.20	13.70	16.75	19.75	15.00	17.50	18.90
MEAN	2.72	4.80	12.44	17.16	19.72	15.16	17.72	17.68
NOBS	26.00	27.00	15.00	12.00	12.00	7.00	5.00	5.00
SU	0.53	2.46	5.47	3.07	2.17	4.16	1.55	2.58
CV	19.50	51.32	43.95	17.91	10.98	27.44	8.76	14.61

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL								
MODE	2.80	3.90	13.70	16.70	19.50	15.00	17.50	18.90
MEAN	2.72	4.34	12.44	17.82	20.15	15.16	17.72	17.68
NOBS	26.00	25.00	15.00	11.00	11.00	7.00	5.00	5.00
SU	0.53	1.91	5.47	2.15	1.65	4.16	1.55	2.58
CV	19.50	43.99	43.95	12.09	8.20	27.44	8.76	14.61

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 54, CROP - FALLON

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
11	5.35	11.7F	16.9F	19.8	21.2	11.0	0.0	0.0
12	6.7F	4.5	8.4	0.0	0.0	0.0	0.0	0.0
13	3.7	6.0	10.7	12.3	16.0	0.0	0.0	0.0
14	3.8	4.1	8.4	0.0	0.0	0.0	0.0	0.0
15	3.8	6.1	12.2S	15.7	12.8	11.7	0.0	0.0
16	2.3	7.6S	9.2	0.0	0.0	0.0	0.0	0.0
17	2.7	5.0	7.4	11.7	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0
32	3.3	5.6	8.1	0.0	0.0	0.0	0.0	0.0
33	3.2	5.4	7.6	10.2	11.4	0.0	0.0	0.0
34	3.0	3.8	6.6	0.0	0.0	0.0	0.0	0.0
35	3.5	4.9	9.2	11.8	12.4	9.7	0.0	0.0
36	2.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0
37	3.4	4.0	0.0	0.0	0.0	0.0	0.0	0.0
38	2.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0
39	2.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0
40	2.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0
41	2.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
42	2.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0
43	2.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0
44	3.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANOMAL	NO	NO	SKEW	SKEW	NO	NO	NO	NO

FIRST ITERATION

MODE	3.10	4.45	8.40	12.05	12.80	10.35	0.0	0.0
MEAN	3.30	4.90	9.52	13.58	14.76	9.92	0.0	0.0
NOBS	20.00	20.00	11.00	6.00	5.00	4.00	0.0	0.0
SD	1.09	2.05	2.91	3.55	3.99	1.94	0.0	0.0
CV	33.01	41.88	30.54	26.12	27.04	19.51	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.00	4.40	8.40	12.05	12.80	10.35	0.0	0.0
MEAN	3.12	4.34	8.78	13.58	14.76	9.92	0.0	0.0
NOBS	19.00	19.00	10.00	6.00	5.00	4.00	0.0	0.0
SD	0.76	1.32	1.65	3.55	3.99	1.94	0.0	0.0
CV	24.32	29.05	18.81	26.12	27.04	19.51	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	2.95	4.25	8.40	12.05	12.80	10.35	0.0	0.0
MEAN	3.00	4.37	8.40	13.58	14.76	9.92	0.0	0.0
NOBS	18.00	18.00	9.00	6.00	5.00	4.00	0.0	0.0
SD	0.56	1.12	1.20	3.55	3.99	1.94	0.0	0.0
CV	18.72	25.71	14.30	26.12	27.04	19.51	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

SOIL MOISTURE DATA, 1978 COLBY AGRICULTURAL SOIL MOISTURE EXPERIMENT.
JULIAN DAY 223, FIELD NUMBER 56, CROP - FALLOW

WATER CONTENT, PERCENT DRY WEIGHT BASIS.

SAMPLING LOCATION	0-1	1-2	2-5	5-9	9-15	0-15	15-30	30-45
DEPTH INTERVAL, CM.								
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	3.0	3.2	5.2	5.7	12.0	0.0	0.0	0.0
22	4.1	4.0	9.9	15.6	18.8	0.0	0.0	0.0
23	2.9	3.9	7.3	13.6	16.9	14.5	17.1	19.0
24	12.0	6.6	10.5	7.5	20.3	0.0	0.0	0.0
25	3.6	5.5	7.5	11.8	17.0	0.0	0.0	0.0
26	2.5	4.1	10.6	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MODAL	SKW	SKW	NO	SKW	NO	NO	NO	NO

FIRST ITERATION

MODE	3.30	4.05	8.70	11.80	17.00	14.50	17.10	19.00
MEAN	4.88	4.55	8.50	10.84	17.00	14.50	17.10	19.00
NUMS	6.00	6.00	6.00	5.00	5.00	1.00	1.00	1.00
SD	1.63	1.25	2.18	4.15	3.13	0.0	0.0	0.0
CV	77.48	27.55	25.61	38.25	18.40	0.0	0.0	0.0

F OUTSIDE 2.0 STANDARD DEVIATIONS (ALL OBSERVATIONS)

SECOND ITERATION

MODE	3.00	4.05	8.70	11.80	17.00	0.0	0.0	0.0
MEAN	3.22	4.55	8.50	10.84	17.00	0.0	0.0	0.0
NUMS	5.00	6.00	6.00	5.00	5.00	0.0	0.0	0.0
SD	0.63	1.25	2.18	4.15	3.13	0.0	0.0	0.0
CV	19.57	27.55	25.61	38.25	18.40	0.0	0.0	0.0

S OUTSIDE 2.0 STANDARD DEVIATIONS (AFTER DELETING F FLAGS)

FINAL

MODE	3.00	4.05	8.70	11.80	17.00	0.0	0.0	0.0
MEAN	3.22	4.55	8.50	10.84	17.00	0.0	0.0	0.0
NUMS	5.00	6.00	6.00	5.00	5.00	0.0	0.0	0.0
SD	0.63	1.25	2.18	4.15	3.13	0.0	0.0	0.0
CV	19.57	27.55	25.61	38.25	18.40	0.0	0.0	0.0

A ANOMOLOUS POINT (SUBJECTIVE)

APPENDIX B

BULK DENSITY DATA, 1978 COLBY SOIL MOISTURE EXPERIMENT

TABLE B-1.- BULK DENSITY DATA, 1978 COLBY SOIL MOISTURE EXPERIMENT

Field	Location	Bulk density (gcm ⁻³) listed by depth interval (cm)					
		0-2	2-5	5-9	9-15	15-30	30-45
1	17	1.13	1.11	1.07	1.27	1.40	1.47
	19	1.08	1.09	1.29	1.44	1.37	1.41
	27	1.32	1.23	0.99	1.44	1.38	1.39
	29	0.94	1.17	1.41	1.42	1.25	1.32
	Mean	1.118	1.150	1.190	1.393	1.350	1.398
	S. D.	0.157	0.063	0.194	0.082	0.068	0.062
2	17	0.98	1.03	1.01	1.02	1.06	1.37
	19	1.06	1.06	1.23	1.26	1.34	1.45
	27	1.12	1.06	1.13	1.23	1.27	1.44
	29	1.02	1.16	1.13	0.96	1.05	1.28
	Mean	1.045	1.078	1.125	1.118	1.180	1.385
	S. D.	0.060	0.057	0.090	0.150	0.147	0.079
3	17	0.96	1.02	1.06	1.22	1.31	1.51
	19	1.03	0.99	1.13	1.25	1.26	1.30
	27	1.19	1.36	1.22	1.23	1.27	1.27
	29	0.98	1.02	1.06	1.25	1.39	1.24
	Mean	1.040	1.098	1.118	1.238	1.308	1.330
	S. D.	0.104	0.176	0.076	0.015	0.059	0.122
4	17	1.02	1.05	1.01	1.24	1.30	1.28
	19	1.20	0.99	0.99	0.95	1.28	1.32
	27	1.05	1.11	1.12	1.30	1.37	1.22
	29	1.22	1.29	1.12	1.23	1.42	1.21
	Mean	1.123	1.110	1.061	1.180	1.343	1.258
	S. D.	0.102	0.130	0.070	0.156	0.064	0.052
5	17	1.09	1.21	1.30	1.30	1.25	1.28
	19	1.24	1.26	1.26	1.20	1.43	1.55
	27	1.13	1.22	1.29	1.25	1.32	1.45
	29	1.16	1.23	1.28	1.25	1.33	1.43
	Mean	1.155	1.230	1.283	1.250	1.333	1.428
	S. D.	0.064	0.022	0.017	0.041	0.074	0.111
6	17	1.19	1.04	1.08	1.42	1.34	1.39
	19	1.17	1.10	1.05	1.25	1.40	1.37
	27	1.17	1.12	1.01	1.34	1.30	1.42
	29	1.19	1.07	1.06	1.36	1.35	1.37
	Mean	1.180	1.083	1.050	1.340	1.348	1.388
	S. D.	0.012	0.035	0.029	0.075	0.041	0.024

TABLE B-1.- Continued.

Field	Location	Bulk density (gcm ⁻³) listed by depth interval (cm)					
		0-2	2-5	5-9	9-15	15-30	30-45
7	17	1.32	1.27	1.18	1.31	1.27	1.32
	19	1.08	1.05	1.30	1.26	1.33	1.37
	27	1.18	1.13	1.13	1.21	1.30	1.21
	29	1.24	1.18	1.13	1.16	1.31	1.31
	Mean	1.205	1.158	1.183	1.235	1.303	1.303
	S. D.	0.101	0.092	0.083	0.065	0.025	0.067
8	17	1.02	1.14	1.06	1.07	1.19	1.33
	19	0.96	1.20	1.16	1.06	1.25	1.37
	27	1.17	1.17	1.19	1.26	1.19	1.28
	29	0.95	1.21	1.18	1.02	1.26	1.19
	Mean	1.025	1.180	1.148	1.103	1.223	1.293
	S. D.	0.101	0.032	0.060	0.107	0.038	0.078
9	17	1.09	1.15	1.16	1.35	1.22	1.26
	19	1.09	1.04	1.08	1.22	1.32	1.41
	27	0.99	1.10	1.06	1.30	1.31	1.26
	29	1.09	1.18	1.34	1.34	1.43	1.43
	Mean	1.065	1.118	1.160	1.303	1.320	1.340
	S. D.	0.050	0.061	0.128	0.059	0.086	0.093
10	17	0.95	1.11	1.30	1.07	1.22	1.41
	19	1.25	1.27	1.25	1.30	1.15	1.29
	27	1.26	1.04	1.15	1.35	1.30	1.39
	29	1.05	1.07	1.21	1.22	1.26	1.26
	Mean	1.128	1.123	1.228	1.235	1.233	1.338
	S. D.	0.153	0.102	0.063	0.122	0.064	0.074
11	17	1.23	1.17	1.16	1.39	1.32	1.44
	19	1.34	1.24	1.17	1.48	1.28	1.34
	27	1.17	1.16	1.10	1.33	1.39	1.41
	29	1.18	1.14	1.11	1.39	1.52	1.45
	Mean	1.230	1.178	1.135	1.398	1.378	1.410
	S. D.	0.078	0.043	0.035	0.062	0.105	0.050
12	17	0.99	1.08	1.20	1.39	1.27	1.40
	19	1.13	1.17	1.20	1.42	1.32	1.25
	27	1.13	1.09	1.19	1.36	1.41	1.37
	29	1.07	1.16	1.00	1.33	1.39	1.28
	Mean	1.080	1.125	1.148	1.375	1.348	1.325
	S. D.	0.066	0.047	0.098	0.039	0.064	0.071

TABLE B-1.- Continued.

Field	Location	Bulk density (gcm^{-3}) listed by depth interval (cm)					
		0-2	2-5	5-9	9-15	15-30	30-45
13	17	1.02	0.99	1.14	1.20	1.27	1.35
	19	0.92	0.99	1.00	1.04	1.36	1.37
	27	1.00	1.02	0.93	1.26	1.28	1.28
	29	0.95	1.05	1.06	1.14	1.25	1.25
	Mean	0.973	1.013	1.033	1.160	1.290	1.313
	S. D.	0.046	0.029	0.089	0.094	0.048	0.057
14	17	1.00	1.26	1.18	1.12	1.25	1.10
	19	1.28	1.33	1.27	1.13	1.11	1.11
	27	1.06	1.27	1.19	1.06	1.23	1.21
	29	0.63	1.20	1.32	1.28	1.21	1.35
	Mean	0.993	1.265	1.240	1.148	1.200	1.193
	S. D.	0.270	0.053	0.067	0.094	0.062	0.116
19	17	0.94	1.00	1.03	1.41	1.34	1.33
	19	0.94	1.10	1.39	1.28	1.31	1.45
	27	1.09	1.04	1.11	1.25	1.31	1.22
	29	1.00	0.96	1.13	1.01	1.39	1.48
	Mean	0.993	1.025	1.165	1.238	1.338	1.370
	S. D.	0.071	0.060	0.156	0.167	0.038	0.119
20	17	0.86	0.97	1.00	1.02	1.31	1.36
	19	1.18	1.07	1.16	1.14	1.30	1.29
	27	1.28	1.23	1.26	1.18	1.35	1.48
	29	0.96	1.14	1.45	1.15	1.19	1.38
	Mean	1.070	1.103	1.218	1.123	1.288	1.378
	S. D.	0.194	0.110	0.188	0.070	0.068	0.078
21	17	1.12	1.05	1.07	1.04	1.35	1.12
	19	1.28	1.22	1.32	1.31	1.35	1.23
	27	1.38	1.19	1.22	1.07	1.32	1.41
	29	1.00	1.00	1.31	1.15	1.40	1.38
	Mean	1.195	1.115	1.231	1.143	1.355	1.285
	S. D.	0.168	0.107	0.116	0.121	0.033	0.135
22	17	0.93	0.99	0.94	1.03	1.30	1.26
	19	1.14	1.12	1.11	1.24	1.36	1.31
	27	1.04	1.04	1.06	1.24	1.32	1.40
	29	1.11	1.03	1.08	1.28	1.36	1.30
	Mean	1.055	1.045	1.048	1.198	1.335	1.318
	S. D.	0.093	0.054	0.075	0.113	0.030	0.059

TABLE B-1.- Continued.

Field	Location	Bulk density (gcm^{-3}) listed by depth interval (cm)					
		0-2	2-5	5-9	9-15	15-30	30-45
24	17	1.08	1.08	1.19	1.22	1.43	1.30
	19	1.14	1.12	1.12	1.19	1.30	1.32
	27	1.05	1.01	0.87	1.05	1.30	1.36
	29	1.07	1.15	1.38	1.42	1.23	1.40
	Mean	1.085	1.090	1.141	1.220	1.315	1.345
	S. D.	0.039	0.061	0.211	0.153	0.083	0.044
25	17	0.97	1.05	1.24	1.28	1.25	1.24
	19	1.29	1.32	1.34	1.44	1.34	1.26
	27	1.11	1.04	1.25	1.41	1.30	1.34
	29	1.11	1.11	1.13	1.25	1.24	1.50
	Mean	1.120	1.130	1.240	1.345	1.283	1.335
	S. D.	0.131	0.130	0.086	0.094	0.046	0.118
26	17	1.15	1.22	0.96	1.18	1.24	1.37
	19	1.22	1.08	1.22	1.30	1.38	1.39
	27	1.16	1.16	1.11	1.23	1.40	1.41
	29	1.08	1.12	1.10	1.20	1.40	1.25
	Mean	1.153	1.145	1.098	1.228	1.355	1.355
	S. D.	0.057	0.060	0.107	0.053	0.077	0.112
27	17	1.26	1.17	1.20	1.53	1.35	1.32
	19	1.17	1.16	1.48	1.44	1.24	1.34
	27	1.12	1.14	1.22	1.37	1.39	1.37
	29	1.02	1.04	1.02	1.21	1.33	1.38
	Mean	1.143	1.128	1.230	1.388	1.328	1.353
	S. D.	0.100	0.060	0.189	0.135	0.063	0.028
28	17	1.29	1.25	1.16	1.20	1.39	1.43
	19	1.07	1.01	1.01	1.14	1.35	1.33
	27	0.93	1.01	0.99	1.14	1.50	1.46
	29	0.93	1.00	1.04	1.17	1.35	1.32
	Mean	1.055	1.068	1.050	1.163	1.398	1.385
	S. D.	0.170	0.122	0.076	0.029	0.071	0.070
37	17	1.39	1.22	1.11	1.33	1.35	1.22
	19	0.96	0.96	1.25	1.46	1.52	1.33
	27	1.00	1.11	1.06	1.23	1.39	1.41
	29	1.13	1.10	1.08	1.28	1.39	1.25
	Mean	1.120	1.098	1.125	1.325	1.388	1.303
	S. D.	0.194	0.107	0.086	0.099	0.097	0.085

TABLE B-1.- Continued.

Field	Location	Bulk density (gcm ⁻³) listed by depth interval (cm)					
		0-2	2-5	5-9	9-15	15-30	30-45
38	17	1.11	1.14	1.37	1.42	1.30	1.40
	19	1.02	1.08	1.24	1.46	1.32	1.33
	27	1.09	1.09	1.09	1.26	1.38	1.41
	29	1.05	0.83	1.10	1.22	1.21	1.34
	Mean	1.068	1.035	1.200	1.340	1.303	1.370
	S. D.	0.040	0.139	0.132	0.118	0.070	0.041
39	17	1.42	1.37	1.50	1.56	1.40	1.38
	19	0.93	1.07	0.94	1.45	1.24	1.43
	27	1.30	1.26	1.21	1.21	1.34	1.59
	29	0.98	1.03	1.08	1.45	1.41	1.35
	Mean	1.158	1.183	1.183	1.418	1.348	1.436
	S. D.	0.240	0.160	0.239	0.148	0.078	0.107
40	17	1.21	1.20	1.09	1.19	1.30	1.38
	19	1.35	1.21	1.32	1.37	1.34	1.34
	27	1.19	1.24	1.28	1.43	1.31	1.23
	29	1.16	1.06	0.87	1.34	1.12	1.31
	Mean	1.228	1.178	1.140	1.333	1.268	1.315
	S. D.	0.084	0.080	0.206	0.102	0.100	0.064
44	17	1.11	1.09	1.20	1.19	1.23	1.21
	19	1.25	1.36	1.36	1.43	1.19	1.20
	27	1.25	1.12	1.34	1.54	1.32	1.20
	29	1.33	1.28	1.33	1.46	1.24	1.26
	Mean	1.235	1.213	1.308	1.405	1.245	1.193
	S. D.	0.091	0.129	0.073	0.151	0.054	0.022
46	17	1.17	1.22	1.25	1.46	1.25	1.36
	19	1.16	1.10	1.12	1.25	1.30	1.26
	27	1.24	1.21	1.36	1.42	1.27	1.31
	29	1.18	1.27	1.32	1.36	1.25	1.27
	Mean	1.188	1.200	1.263	1.373	1.268	1.300
	S. D.	0.036	0.072	0.105	0.091	0.024	0.045
47	17	1.18	1.06	1.18	1.29	1.25	1.30
	19	1.44	1.41	1.01	1.38	1.25	1.32
	27	1.44	1.47	1.47	1.44	1.40	1.37
	29	1.17	1.26	1.38	1.50	1.44	1.19
	Mean	1.320	1.300	1.260	1.403	1.335	1.295
	S. D.	0.169	0.183	0.206	0.090	0.099	0.076

TABLE B-1.- Concluded.

Field	Location	Bulk density (gcm^{-3}) listed by depth interval (cm)					
		0-2	2-5	5-9	9-15	15-30	30-45
49	17	1.02	0.94	1.01	1.27	1.36	1.28
	19	1.07	0.97	1.00	1.30	1.33	1.40
	27	1.03	0.99	1.02	1.30	1.40	1.34
	29	1.12	1.06	0.98	1.26	1.36	1.28
	Mean	1.060	0.990	1.000	1.283	1.363	1.325
	S. D.	0.045	0.051	0.017	0.021	0.029	0.057
50	17	1.21	1.07	1.24	1.42	1.26	1.29
	19	1.09	1.12	1.09	1.30	1.27	1.35
	27	1.03	1.09	1.09	1.32	1.36	1.30
	29	0.96	1.02	1.01	1.27	1.25	1.23
	Mean	1.073	1.075	1.108	1.328	1.285	1.293
	S. D.	0.106	0.042	0.096	0.065	0.051	0.049
52	17	1.05	0.98	1.18	1.39	1.44	1.44
	19	1.12	1.21	1.17	1.21	1.32	1.44
	27	1.02	1.07	1.10	1.39	1.36	1.49
	29	1.00	1.04	0.95	1.14	1.28	1.38
	Mean	1.048	1.075	1.100	1.283	1.350	1.438
	S. D.	0.053	0.097	0.106	0.127	0.068	0.045
53	17	1.21	1.00	1.30	1.44	1.33	1.23
	19	1.25	1.11	1.11	1.26	1.24	1.33
	27	1.13	1.13	1.30	1.24	1.29	1.27
	29	1.15	1.11	0.99	1.17	1.26	1.28
	Mean	1.185	1.088	1.175	1.278	1.280	1.278
	S. D.	0.055	0.059	0.152	0.115	0.039	0.041
54	17	1.09	1.00	1.00	1.19	1.38	1.42
	19	1.08	1.19	1.13	1.39	1.34	1.41
	27	1.18	1.20	0.90	1.36	1.44	1.42
	29	1.18	1.17	1.04	1.25	1.35	1.37
	Mean	1.133	1.140	1.018	1.298	1.378	1.405
	S. D.	0.055	0.094	0.095	0.094	0.045	0.024
55	17	1.12	1.09	1.23	1.25	1.20	1.29
	19	1.19	1.05	1.35	1.33	1.38	1.32
	27	1.00	1.33	1.35	1.47	1.32	1.29
	29	1.19	1.14	1.36	1.41	1.26	1.41
	Mean	1.125	1.153	1.323	1.365	1.282	1.328
	S. D.	0.090	0.124	0.062	0.096	0.083	0.057